47 CFR PART 15 SUBPART C TEST REPORT

for

Laptop

Model No.: ML15

FCC ID: IR5ML15

of

Applicant: MilDef Crete Inc.
Address: 7F, No. 250, Sec.3, Pei Shen Rd., Shen Keng District, New Taipei City Taiwan R.O.C.

Tested and Prepared

by

Worldwide Testing Services (Taiwan) Co., Ltd.

FCC Registration No.: TW1072, TW1140, TW1146, TW1477, TW0037

Industry Canada filed test laboratory Reg. No.: 20037, 31634

Report No.: W6M22409-23739-C-1

6F, NO. 58, LANE 188, RUEY-KUANG RD., NEIHU TAIPEI 114, TAIWAN, R.O.C.
TEL: 886-2-66068877 FAX: 886-2-66068879 E-mail: wts@wts-lab.com

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1 General Information

1.1 Notes

The purpose of conformity testing is to increase the probability of adherence to the essential requirements or conformity specifications, as appropriate.
The complexity of the technical specifications, however, means that full and thorough testing is impractical for both technical and economic reasons.
Furthermore, there is no guarantee that a test sample which has passed all the relevant tests conforms to a specification.
Neither is there any guarantee that such a test sample will interwork with other genuinely open systems.
The existence of the tests nevertheless provides the confidence that the test sample possesses the qualities as maintained and that is performance generally conforms to representative cases of communications equipment.

Laboratory disclaimer-
1. The test results of this test report relate exclusively to the item tested as specified in 1.5.
2. The test report may only be reproduced or published in full.
3. Reproduction or publication of extracts from the report requires the prior written approval of the Worldwide Testing Services(Taiwan) Co., Ltd.
4. Antenna gain is provided by applicant and laboratory issue relevant data and results.

Specific Conditions:
Usage of the hereunder tested device in combination with other integrated or external antennas requires at least additional output power measurements, spurious emission measurements, conducted emission measurements (AC supply lines) and radio frequency exposure evaluations for each individual configuration performed, for certification by FCC.

Tester:

November 29, 2024		Ken Kang	Ken kang
Date	WTS-Lab.	Name	Signature

Technical responsibility for area of testing:

November 29, 2024		Kevin Wang	Kevin Wang
Date	WTS	Name	Signature

1.2 Testing laboratory

1.2.1 Location

10m OATS
No.5-1, Lishui, Shuang Sing Village, Wanli Dist.,
New Taipei City 207, Taiwan (R.O.C.)

3 meter semi-anechoic chamber
No. 99, Sec. 1, Balian Rd., Xizhi Dist.,
New Taipei City 221032, Taiwan (R.O.C.)

Worldwide Testing Services (Taiwan) Co., Ltd.
6F., No. 58, Ln. 188, Ruiguang Rd., Neihu Dist.,
Taipei City 114 , Taiwan (R.O.C.)
Tel: 886-2-6606-8877

1.2.2 Details of accreditation status

Accredited testing laboratory
FCC filed test laboratory Reg. No.: TW1072, TW1140, TW1146, TW1477, TW0037
Industry Canada filed test laboratory Reg. No.: 20037, 31634

Test location, where different from Worldwide Testing Services (Taiwan) Co., Ltd. :

Name:	./.
Accredited number:	./.
Street:	./.
Town:	./.
Country:	./.

1.3 Details of approval holder

Name:	MilDef Crete Inc.
Street:	7F, No. 250, Sec.3, Pei Shen Rd., Shen Keng District,
Town:	New Taipei City
Country:	Taiwan R.O.C.

1.4 Application details

Date of receipt of test item: September 27, 2024
Date of test: from September 30, 2024 to November 28, 2024

1.5 General information of Test item

Type of test item: Laptop
Model number: ML15
Brand name: MilDef Crete
Multi-listing model number: ./.
Sample no.: #01

Technical data

WLAN

Band	Mode	Channel	Conducted Power (dBm)
2.4GHz	802.11b	Ch 1 : 2412 MHz	17.49
		Ch 6 : 2437 MHz	17.64
		Ch 11 : 2462 MHz	17.24
	802.11g	Ch 1 : 2412 MHz	14.39
		Ch 6 : 2437 MHz	17.24
		Ch 11 : 2462 MHz	13.86
	802.11ax 20MHz	Ch 1 : 2412 MHz	19.83
		Ch 6 : 2437 MHz	20.22
		Ch 11 : 2462 MHz	18.89
	802.11ax 40MHz	Ch 1 : 2422 MHz	19.91
		Ch 4 : 2437 MHz	20.04
		Ch 7 : 2452 MHz	19.37

Registration number: W6M22409-23739-C-1
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Bluetooth
Normal & EDR

Band	Mode	Channel	Conducted Power (dBm)
2.4GHz	BR	Ch 0 : 2402 MHz	10.22
		Ch 39 : 2441 MHz	10.39
		Ch 78 : 2480 MHz	10.07
	EDR	Ch 0 : 2402 MHz	7.99
		Ch 39 : 2441 MHz	8.09
		Ch 78 : 2480 MHz	7.50

Low Energy

Band	Mode	Channel	Power (dBm)
2.4GHz	BLE 1M	Ch 0 : 2402 MHz	8.47
		Ch 19 : 2440 MHz	8.51
		Ch 39 : 2480 MHz	7.95
	BLE 2M	Ch 0 : 2402 MHz	8.54
		Ch 19 : 2440 MHz	8.59
		Ch 39 : 2480 MHz	8.03

Frequency band:	2.4 GHz – 2.4835 GHz
Number of channels:	802.11b, g, ax 20MHz: 11 channels, 11ax 40MHz: 7 channels Bluetooth: 79 channels(Normal & EDR), 40 channels(LE)
Operation modes:	Duplex
Modulation type:	DSSS/OFDM、GFSK、π/4DQPSK、8DPSK
Fixed point-to-point operation:	☐ Yes / ☒ No
Type of antenna:	PIFA antenna
Antenna gain:	WLAN: Main antenna: 2.48 dBi AUX antenna: 2.15 dBi BT & BLE: 2.48 dBi
Directional gain:	WLAN: 5.33 dBi

According to KDB 662911, Unequal antenna gains, with equal transmit powers. For antenna gains given by G_1, G_2, …, G_N dBi. If transmit signals are correlated, then Directional gain $=10\log[(10^{G1/20}+10^{G2/20}+\ldots+10^{GN/20})^2/N]$ dBi [Note the "20"s in the denominator of each exponent and the square of the sum of terms; the object is to combine the signal levels coherently.]
Each with the same directional gain G_{ANT} dBi, being driven by N_{ANT} transmitter outputs of equal power. Directional gain is to be computed as follows:

If any transmit signals are correlated with each other, Direction gain= G_{ANT} + 10 log(N_{ANT}) dBi

Power supply: Adapter (I/P: 100-240V~50-60Hz, 2.2A MAX.
O/P: 19.0V⎓8.4A, 159.6W)
Battery 10.905Vd.c. 6000mAh 65.43Wh

Host device: none

Manufacturer: (if applicable)
Name: ./.
Street: ./.
Town: ./.
Country: ./.

1.5 Duty cycle and factor

WLAN 2.4G

Mode	T_{on} (ms)	$T_{on}+T_{off}$ (ms)	Duty cycle (%)	Duty Factor (dB)	1/T - VBW (kHz)
802.11b	8.429487	8.653846	97.41%	0.11	0.12
802.11g	1.041667	1.25	83.33%	0.79	0.96
802.11ax 20MHz	1.089744	1.298077	83.95%	0.76	0.92
802.11ax 40MHz	1.089744	1.314103	82.93%	0.81	0.92

BLE

Mode	T_{on} (ms)	$T_{on}+T_{off}$ (ms)	Duty cycle (%)	1/T - VBW (kHz)
BLE 1M	0.40865	0.62099	65.81%	2.45
BLE 2M	0.23237	0.62901	36.94%	4.30

1.6 Test standards

47 CFR PART 15 SUBPART C § 15.247 (2023-10)

2 Technical test

2.1 Summary of test results

No deviations from the technical specification(s) were ascertained in the course of the tests performed. ☒

or

The deviations were ascertained in the course of the tests performed. ☐

2.2 Test environment

Relative humidity content: 20 ... 75 %
Air pressure: 86 ... 103 kPa
Power supply: Adapter (I/P: 100-240V~50-60Hz, 2.2A MAX.
O/P: 19.0V⎓8.4A, 159.6W)
Battery 10.905Vd.c. 6000mAh 65.43Wh

Extreme conditions parameters: ./.

Test item Name	Uncertainty
Estimation Result of Uncertainty of Conducted Emission (Power Line Conducted Emission)	Expanded Uncertainty： AMN：0.94 dB Voltage probe：0.96 dB Include Pulse Limiter：1.5 dB
Estimation Result of Uncertainty of Radiated Emission(3M-966A) (Transmitter Radiated Emissions in Restricted Bands, Spurious Emissions (tx), Radiated Emission from Digital Part)	Expanded Uncertainty： 0.009-30 MHz：1.88 dB 30-1000 MHz：3.20 dB 1-18 GHz：3.56 dB 18-40 GHz：2.94 dB
Estimation Result of Uncertainty of Bandwidth Measurement (20 dB Bandwidth, Minimum 6 dB Bandwidth)	Expanded Uncertainty：0.45 kHz
Estimation Result of Uncertainty of Conducted Output Power Measurement (Peak Output Power (transmitter))	Expanded Uncertainty：1.64 dB
Estimation Result of Uncertainty of Power Density Measurement (Peak Power Spectral Density)	Expanded Uncertainty：1.64 dB
Estimation Result of Uncertainty of Band Edge Measurement (Radiated Emission on the band edge)	Expanded Uncertainty：0.67 dBc
Estimation Result of Uncertainty of Frequency Separation Measurement (Carrier Frequency Separation, Number of Hopping Frequencies)	Expanded Uncertainty：554.14 Hz
Estimation Result of Uncertainty of Duty Cycle Measurement (Time of Occupancy (Dwell Time))	Expanded Uncertainty：0.1 ms

The decision rule is: Measurement uncertainty is not included in the calculation of test results.

2.3 Test Equipment List

BT2.0
Max Output Power&20DB
BANDWIDTH&BANDEDGE&FREQUENCY SEPARATION&
NUMBER OF HOPPING&DWELL TIME
BLE&WiFi
Max Output Power&6DB Bandwidth&Bandedge&Power Density&Duty

Code No.	Test equipment	Mode No.	Serial No.	Brand	Cal. Date	Next Cal. Date
ETSTW-RE 050	Attenuator 10dB	50HF-010-1	None	JFW	2024/2/16	2025/2/15
ETSTW-RE 055	SPECTRUM ANALYZER	FSU 26	200074	R&S	2024/3/7	2025/3/6
ETSTW-RE 099	DC Block	50DB-007-1	None	JFW	2024/2/16	2025/2/15
ETSTW-Cable 030	Microwave Cable	SUCOFLEX 104 （S_Cable 9）	279067	HUBER+SUHNER	2024/2/16	2025/2/15

Spurious Emission (966A)

Code No.	Test equipment	Mode No.	Serial No.	Brand	Cal. Date	Next Cal. Date
ETSTW-RE 153	Signal Analyzer	FSV40	101929	R&S	2024/9/11	2025/9/10
ETSTW-RE 154	EMI Test Receiver	ESR3	102829	R&S	2024/4/10	2025/4/9
ETSTW-RE 160	Amplifier Module	CHC 3	None	WTS	2024/7/12	2025/7/11
ETSTW-RE 177	TRILOG Broadband Antenna	VULB 9168&EMCI-N-6-06	01380&AT-06007	SCHWARZBECK&EMC	2024/3/4	2025/3/3
ETSTW-RE 178	Double Ridged Guide Horn Antenna	DRH18-E	210505A18ES	RFSPIN	2024/2/29	2025/2/28
ETSTW-Cable 077	SMA type cable (10m)	EMC104-SM-SM-10000	230511	EMCI	2024/7/12	2025/7/11
ETSTW-Cable 084	SMA type cable (1m)	SF104-11SMA-1000	816477/4	HONOVA	2024/7/12	2025/7/11
ETSTW-Cable 089	SMA type cable (2m)	SF104-11SMA-2000	SN 811889/4	HUBER+SUHNER	2024/7/12	2025/7/11
WTSTW-SW 002	EMI TEST SOFTWARE	EZ_EMC	None	Farad	Version ETS-03A1 Version EMEC-3A1+	

AC Conducted Emission

Code No.	Test equipment	Mode No.	Serial No.	Brand	Cal. Date	Next Cal. Date
ETSTW-CE 001	EMI TEST RECEIVER	ESHS10	842121/013	R&S	2024/6/13	2025/6/12
ETSTW-CE 003	AC POWER SOURCE	APS-9102	D161137	GW	Function Test	
ETSTW-CE 016	TWO-LINE V-NETWORK	ENV216	100050	R&S	2024/10/22	2025/10/21
ETSTW-RE 045	ESA-E SERIES SPECTRUM ANALYZER	E4404B	MY45111242	Agilent	Pre-test Use	
ETSTW-Cable 093	BNC Cable (3m)	EMCCFD-300 -BM-BM-3000	240109	EMCI	2024/11/7	2025/11/6
WTSTW-SW 002	EMI TEST SOFTWARE	EZ_EMC	None	Farad	Version ETS-03A1 Version EMEC-3A1+	

2.4 General Test Procedure

POWER LINE CONDUCTED INTERFERENCE: The procedure used was ANSI STANDARD C63.10-2013 6.2 using a 50µH LISN (if necessary). Both lines were observed. The bandwidth of the spectrum analyzer was 10 kHz with an appropriate sweep speed.

RADIATION INTERFERENCE: The test procedure used was according to ANSI STANDARD C63.10-2013 6.3 employing a spectrum analyzer. For investigated frequency is equal to or below 1GHz, the RBW and VBW of the spectrum analyzer was 100 kHz and 100kHz respectively with an appropriate sweep speed. For investigated frequency is above 1GHz, both of RBW and VBW of the spectrum analyzer were 1 MHz with an appropriate sweep speed. The analyzer was calibrated in dB above a microvolt at the output of the antenna.

FORMULA OF CONVERSION FACTORS: The Field Strength at 3m was established by adding the meter reading of the spectrum analyzer (which is set to read in units of dBµV) to the antenna correction factor supplied by the antenna manufacturer. The antenna correction factors are stated in terms of dB.

Example:

Freq (MHz)	METER READING + ACF + CABLE LOSS (to the receiver) = FS
33	20 dBµV + 10.36 dB + 6 dB = 36.36 dBµV/m @3m

The EUT was placed on a table 80 cm high and with dimensions of 1m by 1.5m (non metallic table) and arranged according to ANSI C63.10-2013 6.2.2. The table used for radiated measurements is capable of continuous rotation. The spectrum was scanned from 30 MHz to the frequency specified as follows:

(1) If the intentional radiator operates below 10 GHz: to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.
(2) If the intentional radiator operates at or above 10 GHz and below 30 GHz: to the fifth harmonic of the highest fundamental frequency or to 100 GHz, whichever is lower.
(3) If the intentional radiator operates at or above 30 GHz: to the fifth harmonic of the highest fundamental frequency or to 200 GHz, whichever is lower, unless specified otherwise elsewhere in the rules.
(4) If the intentional radiator contains a digital device, regardless of whether this digital device controls the functions of the intentional radiator or the digital device is used for additional control or function purposes other than to enable the operation of the intentional radiator, the frequency range shall be investigated up to the range specified in paragraphs (a)(1)-(a)(3) of this section or the range applicable to the digital device, as shown in paragraph (b)(1) of this Section, whichever is the higher frequency range of investigation.

For hand-held devices, a exploratory test was performed with three (3) orthogonal planes to determine the highest emissions.

When an emission was found, the table was rotated to produce the maximum signal strength. At this point, the antenna was raised and lowered from 1m to 4m. The antenna was placed in both the horizontal and vertical planes.

When the radiated emission limits are expressed in terms of the average value of the emission, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum value.

The formula is as follows:
Average = Peak + Duty Factor
Duty Factor = 20 log (dwell time/T)
T = 100ms when the pulse train period is over 100 ms or the period of the pulse train.

Modified Limits for peak according to 15.35 (b) = Max Permitted average Limits + 20dB

ANSI STANDARD C63.10-2013 B.2.7: Any measurements that utilize special test software shall be indicated and referenced in the test report. During testing, test software ’EZ EMC’ was used for setting up different operation modes.

3 Test results (enclosure)

TEST CASE	Para. Number	Required	Test passed	Test failed
Peak Output Power	15.247(b)	☒	☒	☐
Equivalent isotropically radiated Power	15.247(b)	☒	☒	☐
Spurious Emissions radiated – Transmitter operating	15.247(d):15.209	☒	☒	☐
Spurious Emissions conducted – Transmitter operating	15.247	☐	☐	☐
Carrier Frequency Separation	15.247(a) (1)	☒	☒	☐
Number of Hopping Frequencies	15.247(a) (1)(i)	☒	☒	☐
Time of Occupancy (Dwell Time)	15.247(a) (1)(i)	☒	☒	☐
20 dB Bandwidth	15.247(a) (1)(i)	☒	☒	☐
Minimum 6 dB Bandwidth	15.247(a)(2)	☒	☒	☐
Band-edge Compliance of RF Emission	15.247(d)	☒	☒	☐
Peak Power Spectral Density	15.247(e)	☒	☒	☐
Radiated Emission from Digital Part	15.109	☐	☐	☐
Power Line Conducted Emission	15.207(a)	☒	☒	☐

Note:

1. This EUT incorporates a MIMO function with IEEE 802.11b, 802.11g, and 802.11n. Physically, this EUT includes two transmitters and two receivers with two incoherent streams. This device uses multiplexing and also employ cyclic delay diversity to improve range and throughput, and this device simultaneously operates on two adjacent channels.
2. This EUT is 2*2 spatial MIMO (2Tx&2Rx) without beam forming function. That operates dual chain configuration. The Pre-test was performed to determine the worst case mode from all possible combinations between all available modulations, data rates, bandwidths, and spatial stream modes.
3. The detail of chosen mode for full testing are as below:

Mode	Available channel	Chosen Channel	Modulation Technology	Modulation Type	Data Rate (Mbps)
802.11b	1 to 11	1,6,11	DSSS	DBPSK, DQPSK, CCK	1
802.11g	1 to 11	1,6,11	OFDM	BPSK, QPSK, 16QAM, 64QAM	6
802.11n (20MHz)	1 to 11	1,6,11	OFDM	BPSK, QPSK, 16QAM, 64QAM	6.5
802.11n (40MHz)	1 to 7	1,4,7	OFDM	BPSK, QPSK, 16QAM, 64QAM	13.5

3.1 Peak Output Power (transmitter)

FCC Rule: 15.247(b)(3)

This measurement applies to equipment with an integral antenna and to equipment with an antenna connector and equipped with an antenna as declared by the applicant.
The power was measured with modulation (declared by the applicant).

Test date: October 23, 2024-Ocotober 24, 2024
Temperature: 24.4 ˚C
Humidity: 56.3 %
Tester: Ken

WLAN

Band	Mode	Channel	RU(AX)	Conducted power with DF		Combine (dBm)	DF (dB)	Limit (dBm)
				Antenna 1 (dBm)	Antenna 2 (dBm)			
2.4GHz	802.11b	Ch 1 : 2412 MHz	-	17.49	16.58	-	0.11	30.00
		Ch 6 : 2437 MHz	-	17.64	17.11	-	0.11	30.00
		Ch 11 : 2462 MHz	-	17.24	16.23	-	0.11	30.00
	802.11g	Ch 1 : 2412 MHz	-	14.39	14.26	-	0.79	30.00
		Ch 6 : 2437 MHz	-	16.94	17.24	-	0.79	30.00
		Ch 11 : 2462 MHz	-	13.86	13.09	-	0.79	30.00
	802.11ax 20MHz	Ch 1 : 2412 MHz	26RU1	15.76	15.46	18.62	0.76	30.00
			26RU9	16.65	16.99	19.83	0.76	30.00
			242RU1	14.41	14.35	17.39	0.76	30.00
		Ch 6 : 2437 MHz	26RU1	16.86	17.16	20.02	0.76	30.00
			26RU9	16.97	17.35	20.17	0.76	30.00
			242RU1	17.00	17.41	20.22	0.76	30.00
		Ch 11 : 2462 MHz	26RU1	16.49	15.18	18.89	0.76	30.00
			26RU9	15.02	14.59	17.82	0.76	30.00
			242RU1	13.85	13.08	16.49	0.76	30.00
	802.11ax 40MHz	Ch 1 : 2422 MHz	26RU1	15.80	15.45	18.64	0.81	30.00
			26RU18	16.55	17.21	19.91	0.81	30.00
			484RU1	12.80	12.71	15.77	0.81	30.00
		Ch 4 : 2437 MHz	26RU1	16.84	17.21	20.04	0.81	30.00
			26RU18	16.83	17.17	20.02	0.81	30.00
			484RU1	14.05	14.21	17.14	0.81	30.00
		Ch 7 : 2452 MHz	26RU1	16.87	15.77	19.37	0.81	30.00
			26RU18	14.90	14.44	17.69	0.81	30.00
			484RU1	12.37	12.52	15.46	0.81	30.00

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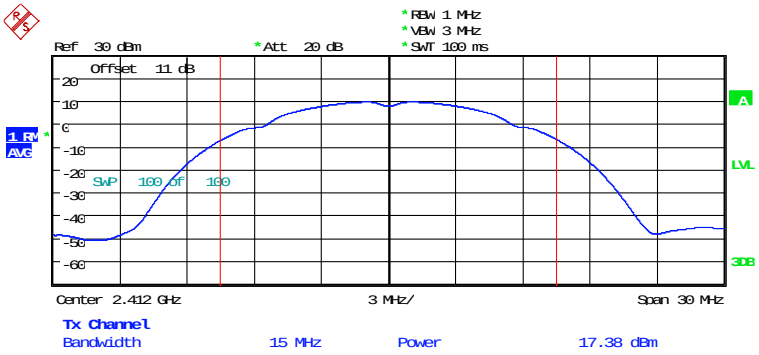
FCC ID: IR5ML15

MAIN antenna
802.11b



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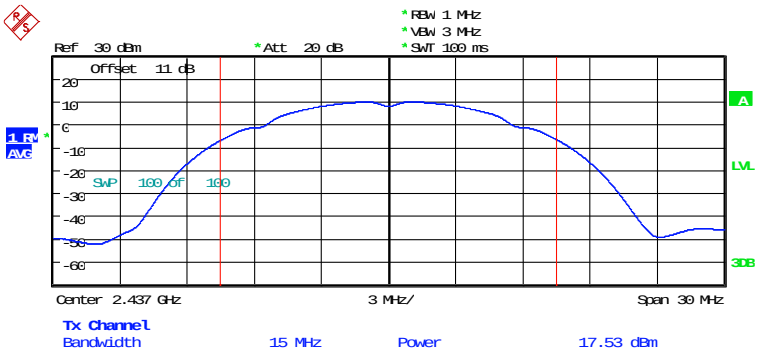

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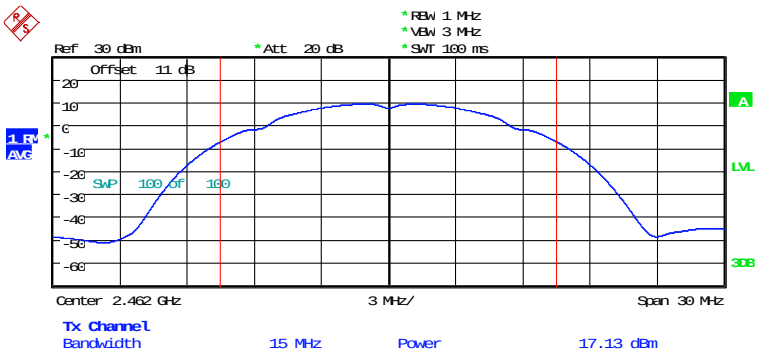
Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15



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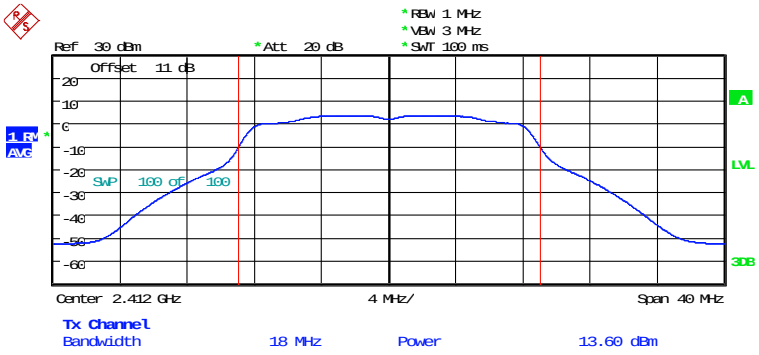
802.11g



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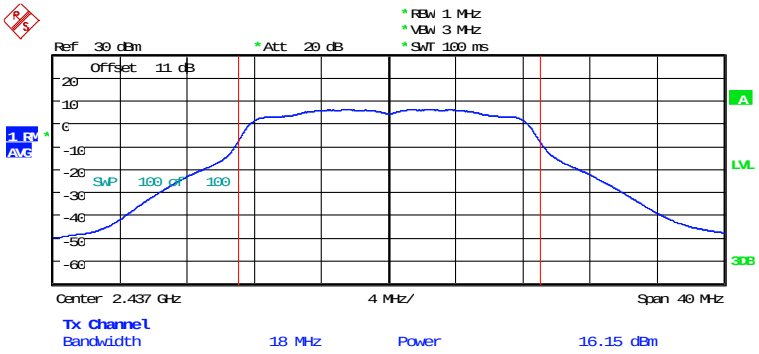
FCC ID: IR5ML15



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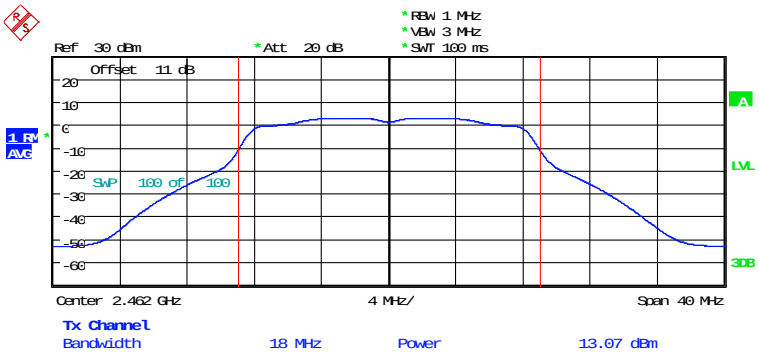

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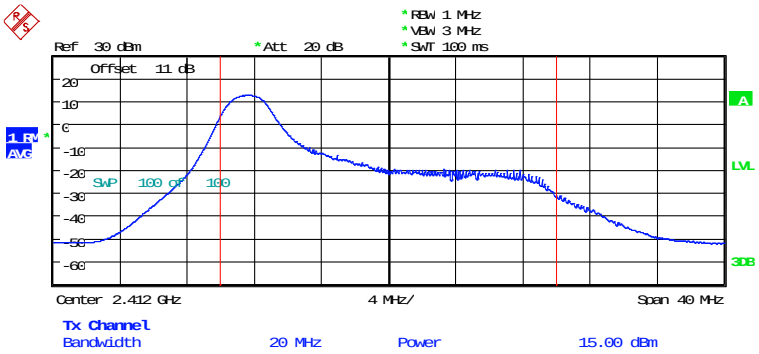
Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15

802.11ax 20MHz



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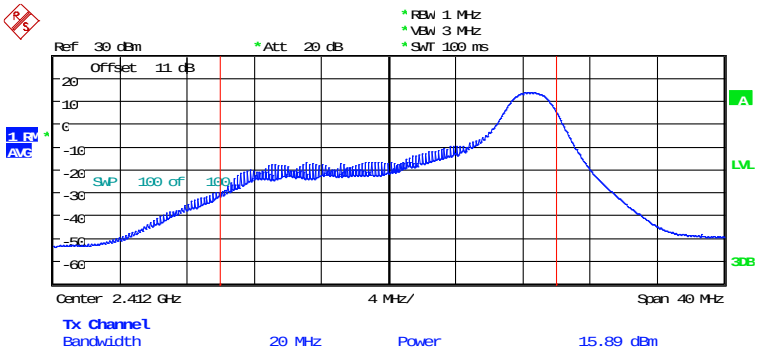

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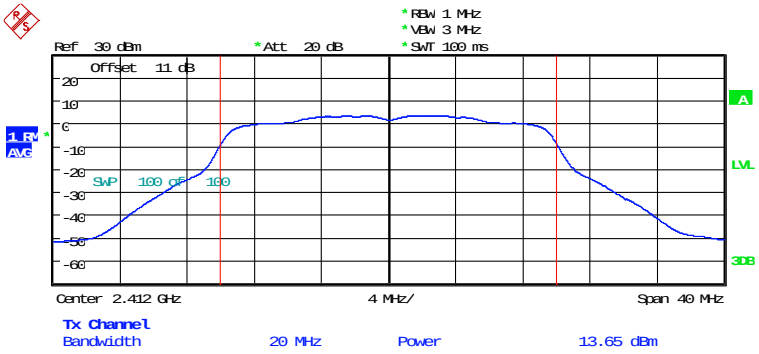
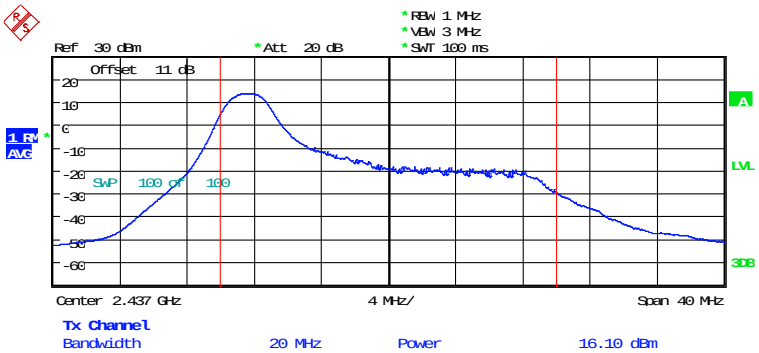
FCC ID: IR5ML15

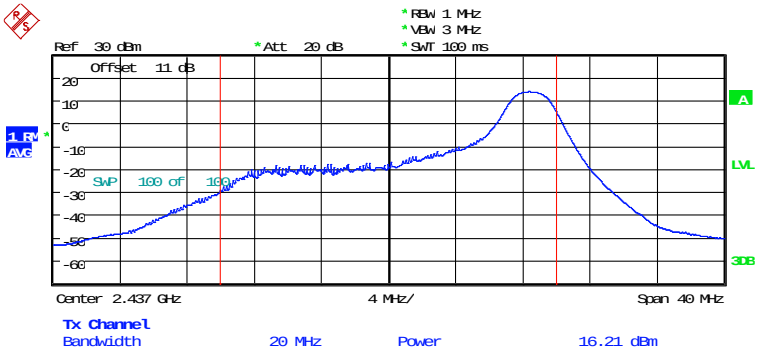


MAX OUTPUT POWER 802.11AX 20MHz CH01 242RU1
Date: 23.OCT.2024 19:04:44

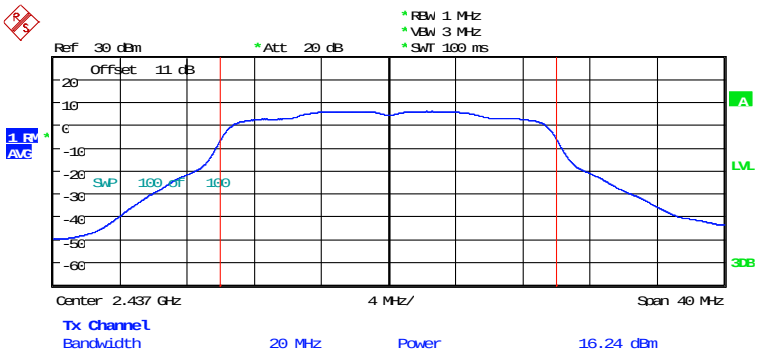


MAX OUTPUT POWER 802.11AX 20MHz CH06 26RU1
Date: 23.OCT.2024 19:08:32

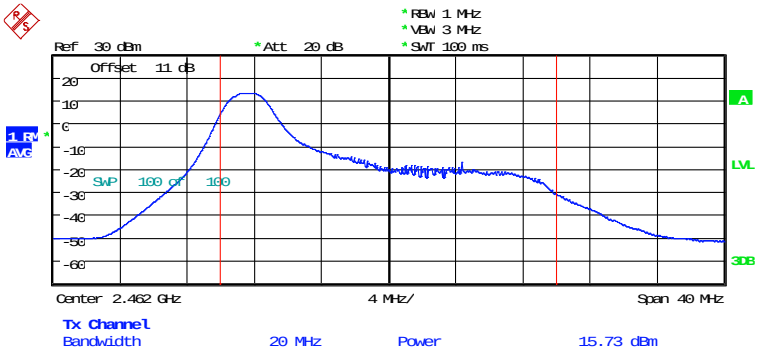
Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15



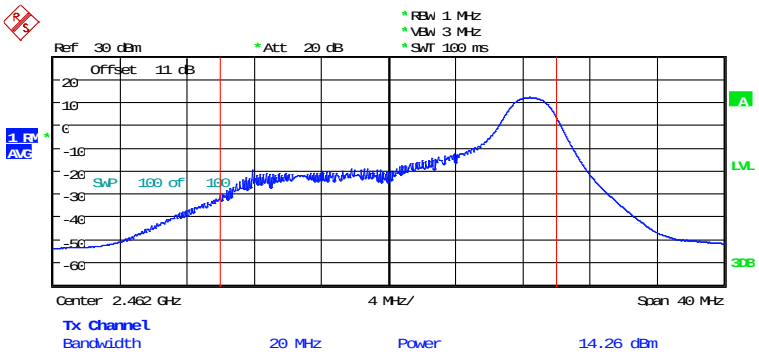
MAX OUTPUT POWER 802.11AX 20MHz CH06 26RU9
Date: 23.OCT.2024 19:09:20



MAX OUTPUT POWER 802.11AX 20MHz CH06 242RU1
Date: 23.OCT.2024 19:07:45

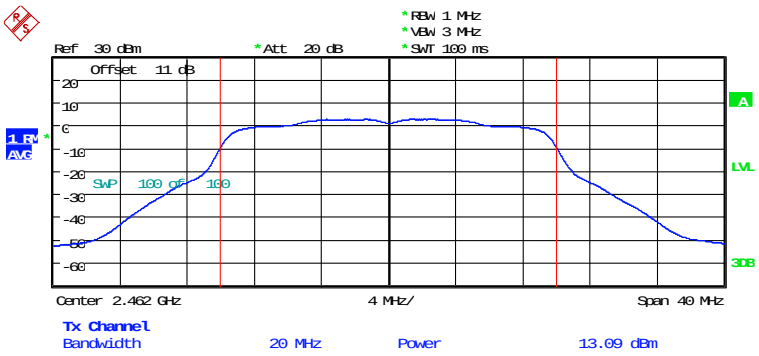


MAX OUTPUT POWER 802.11AX 20MHz CH11 26RU1
Date: 23.OCT.2024 19:11:28



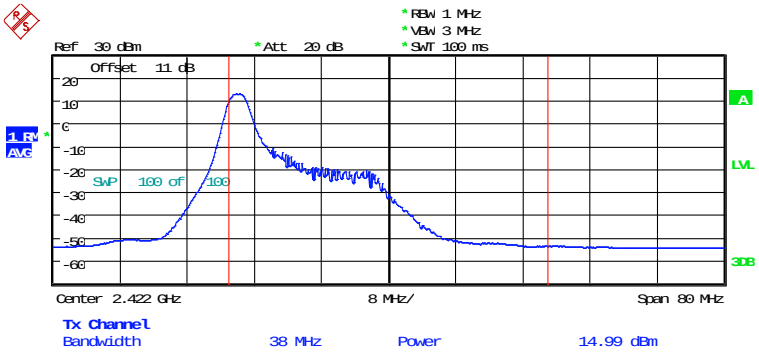
MAX OUTPUT POWER 802.11AX 20MHz CH11 26RU9
Date: 23.OCT.2024 19:10:29

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15

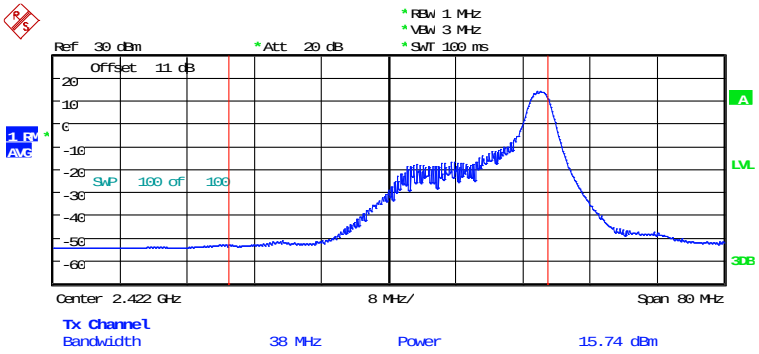


MAX OUTPUT POWER 802.11AX 20MHz CH11 242RU1
Date: 23.OCT.2024 19:12:27

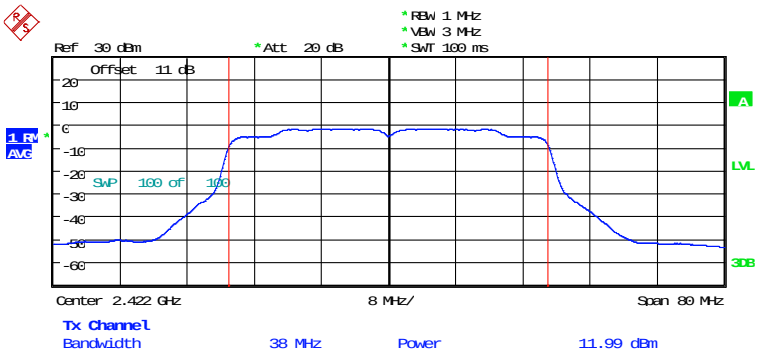
802.11ax 40MHz



MAX OUTPUT POWER 802.11AX 40MHz CH01 26RU1
Date: 23.OCT.2024 19:16:35

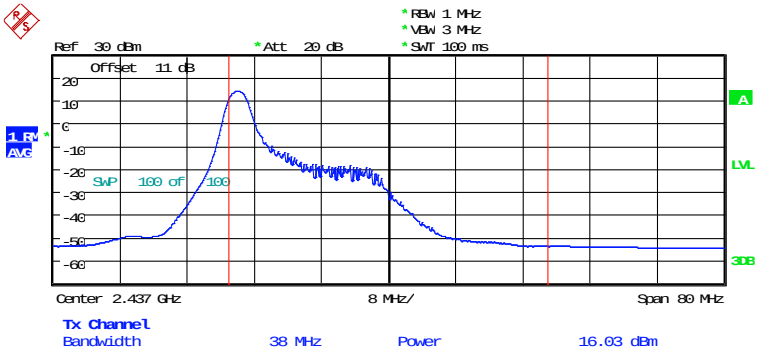


MAX OUTPUT POWER 802.11AX 40MHz CH01 26RU18
Date: 23.OCT.2024 19:18:51

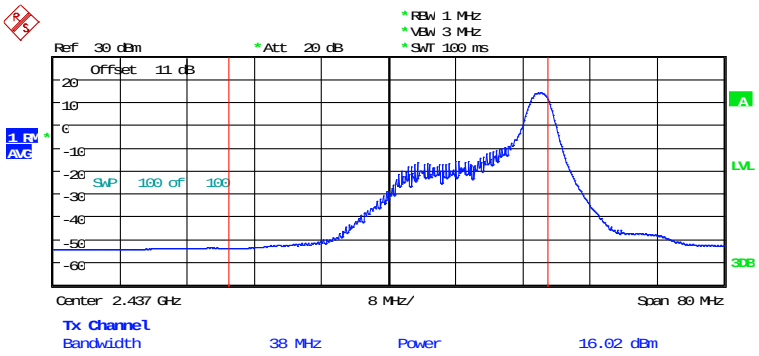


MAX OUTPUT POWER 802.11AX 40MHz CH01 484RU1
Date: 23.OCT.2024 19:21:05

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15

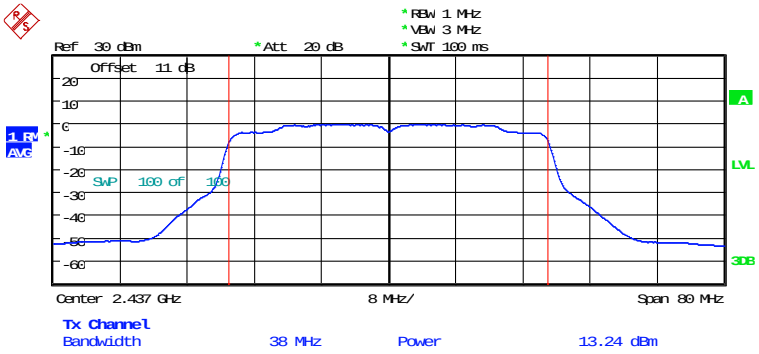


MAX OUTPUT POWER 802.11AX 40MHz CH04 26RU1
Date: 23.OCT.2024 19:23:36

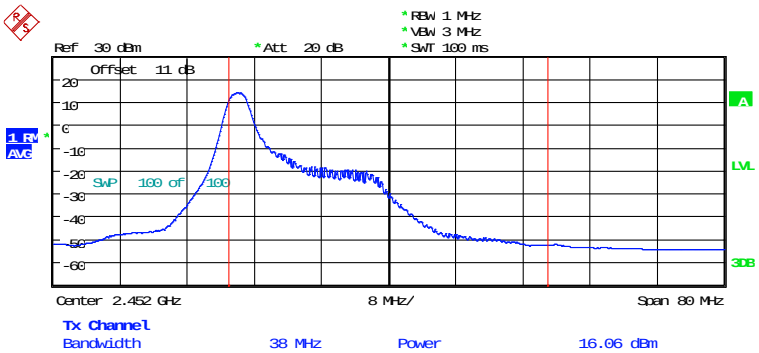


MAX OUTPUT POWER 802.11AX 40MHz CH04 26RU18
Date: 23.OCT.2024 19:24:12

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15

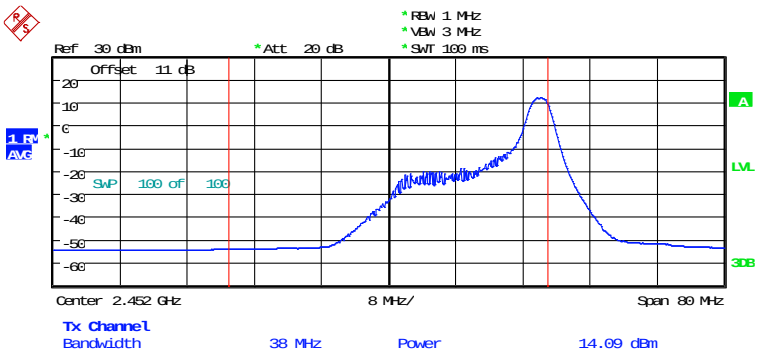


MAX OUTPUT POWER 802.11AX 40MHz CH04 484RU1
Date: 23.OCT.2024 19:22:11

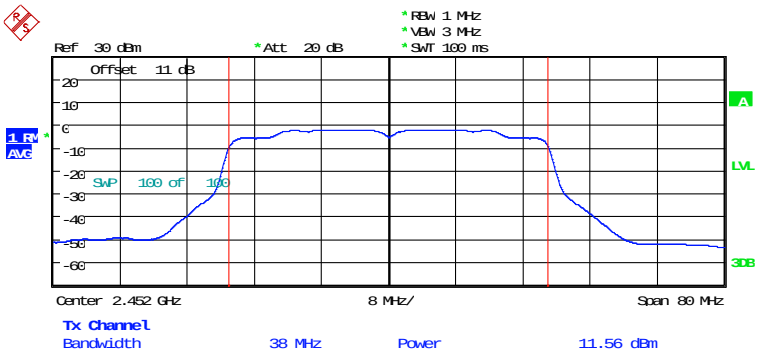


MAX OUTPUT POWER 802.11AX 40MHz CH07 26RU1
Date: 23.OCT.2024 19:26:12

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15



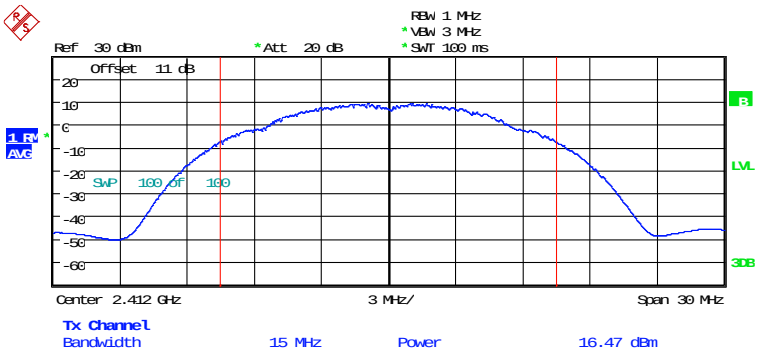
MAX OUTPUT POWER 802.11AX 40MHz CH07 26RU18
Date: 23.OCT.2024 19:25:35



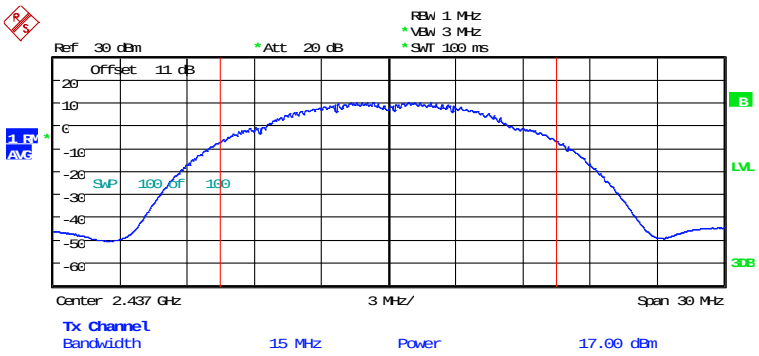
MAX OUTPUT POWER 802.11AX 40MHz CH07 484RU1
Date: 23.OCT.2024 19:27:19

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15

AUX antenna
802.11b

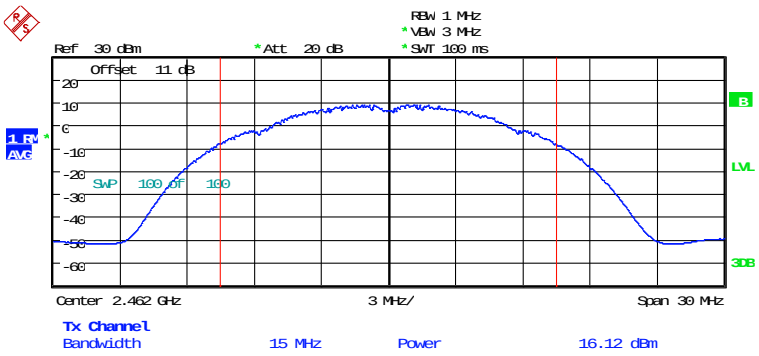


MAX OUTPUT POWER 802.11B CH01
Date: 24.OCT.2024 11:46:48



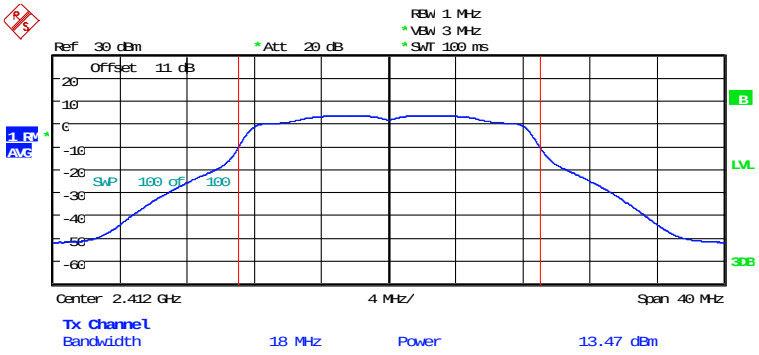
MAX OUTPUT POWER 802.11B CH06
Date: 24.OCT.2024 11:47:33

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15

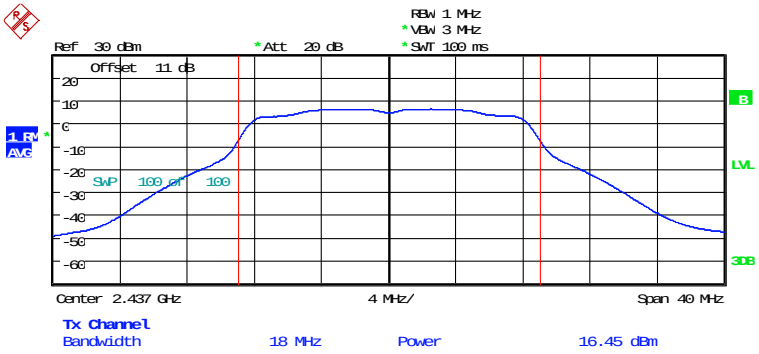


MAX OUTPUT POWER 802.11B CH11
Date: 24.OCT.2024 11:48:23

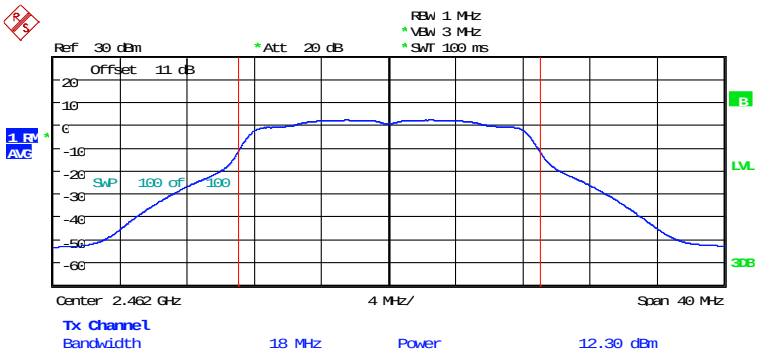
802.11g



MAX OUTPUT POWER 802.11G CH01
Date: 24.OCT.2024 11:52:47



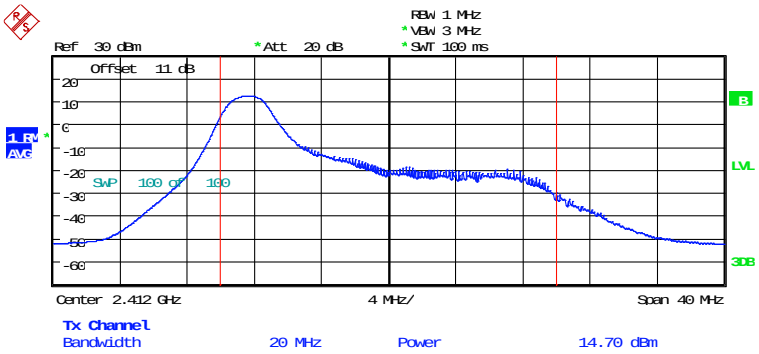
MAX OUTPUT POWER 802.11G CH06
Date: 24.OCT.2024 11:52:11



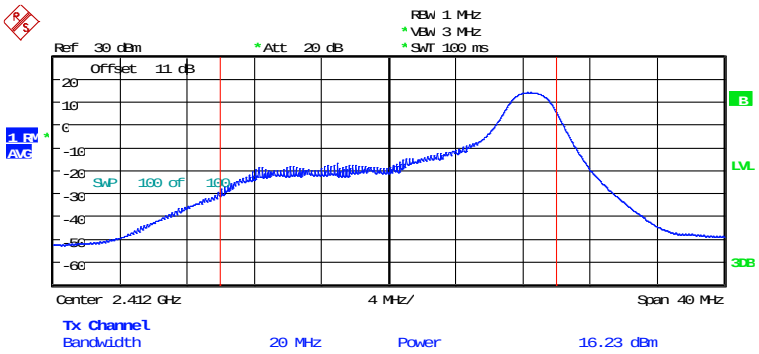
MAX OUTPUT POWER 802.11G CH11
Date: 24.OCT.2024 11:51:31

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15

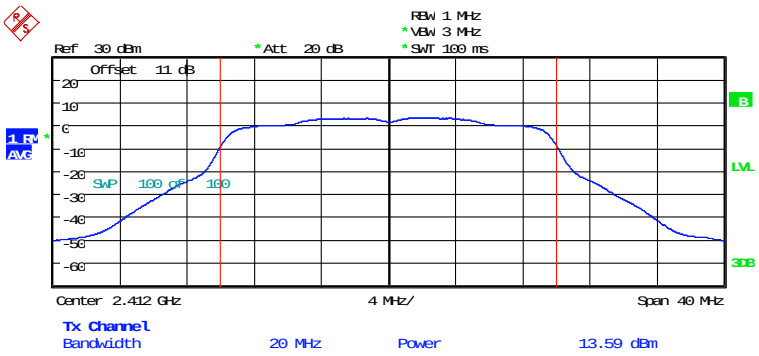
802.11ax 20MHz



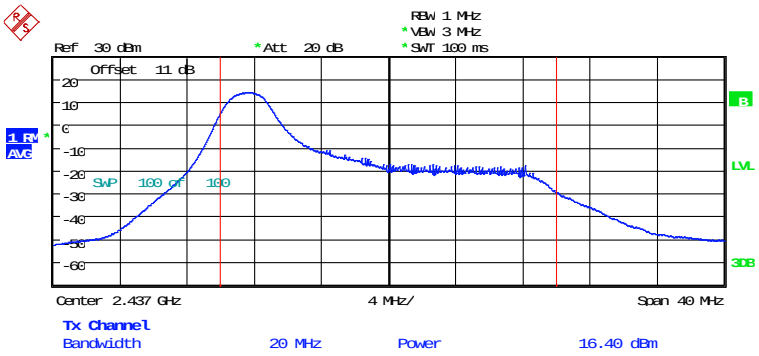
MAX OUTPUT POWER 802.11AX 20MHZ CH01 26RU1
Date: 24.OCT.2024 11:55:22



MAX OUTPUT POWER 802.11AX 20MHZ CH01 26RU9
Date: 24.OCT.2024 11:56:00

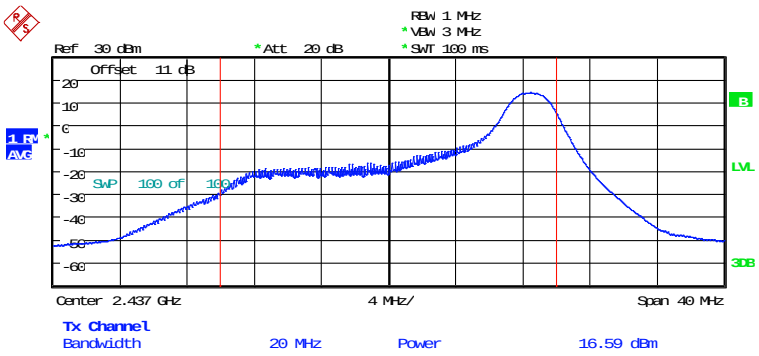


MAX OUTPUT POWER 802.11AX 20MHZ CH01 242RU1
Date: 24.OCT.2024 11:56:47

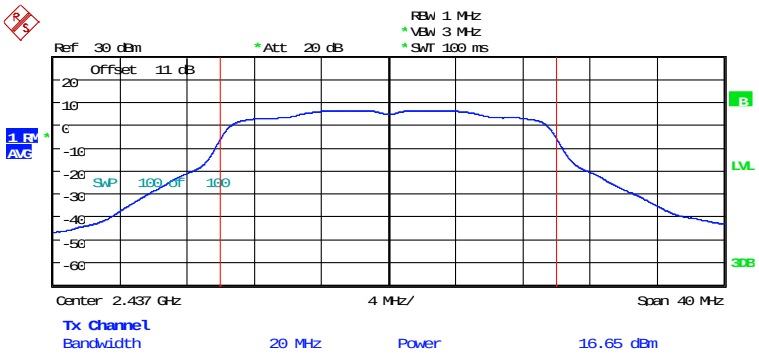


MAX OUTPUT POWER 802.11AX 20MHZ CH06 26RU1
Date: 24.OCT.2024 11:58:32

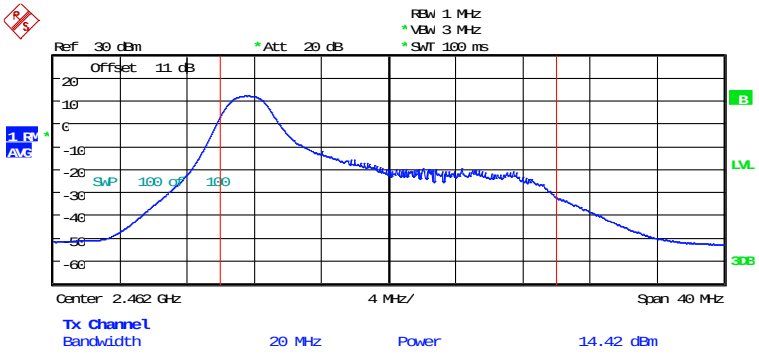
Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15



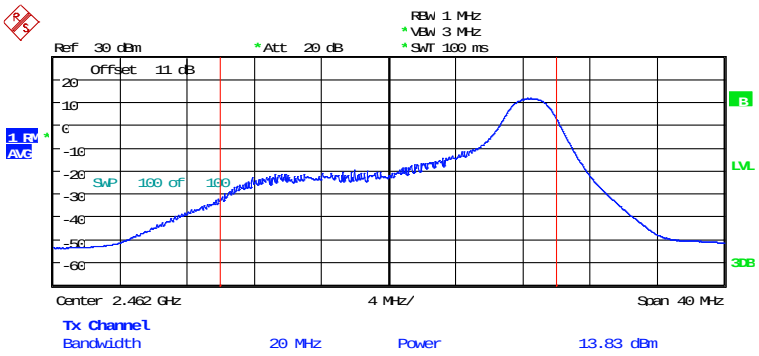
MAX OUTPUT POWER 802.11AX 20MHZ CH06 26RU9
Date: 24.OCT.2024 11:59:02



MAX OUTPUT POWER 802.11AX 20MHZ CH06 242RU1
Date: 24.OCT.2024 11:57:53

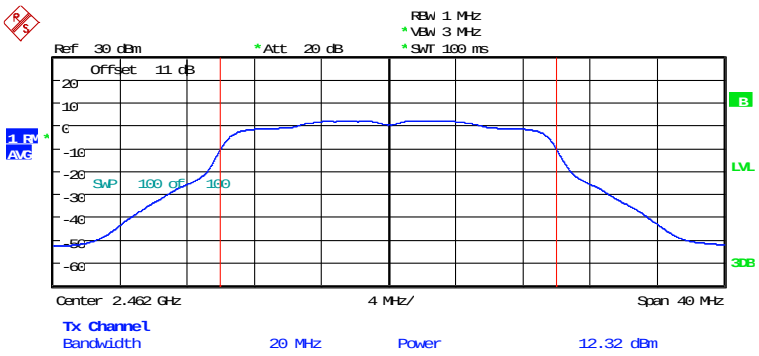


MAX OUTPUT POWER 802.11AX 20MHZ CH11 26RU1
Date: 24.OCT.2024 12:00:43



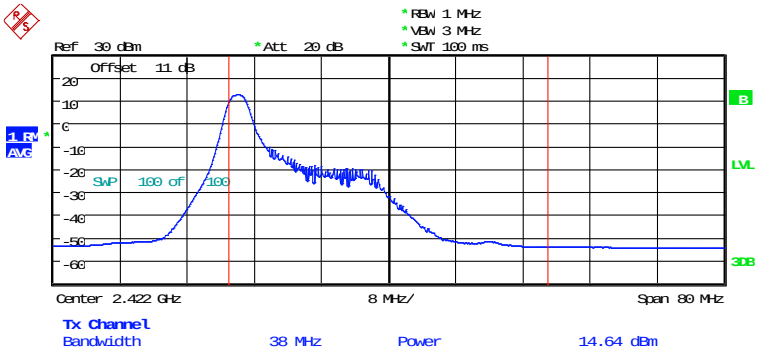
MAX OUTPUT POWER 802.11AX 20MHZ CH11 26RU9
Date: 24.OCT.2024 11:59:48

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15

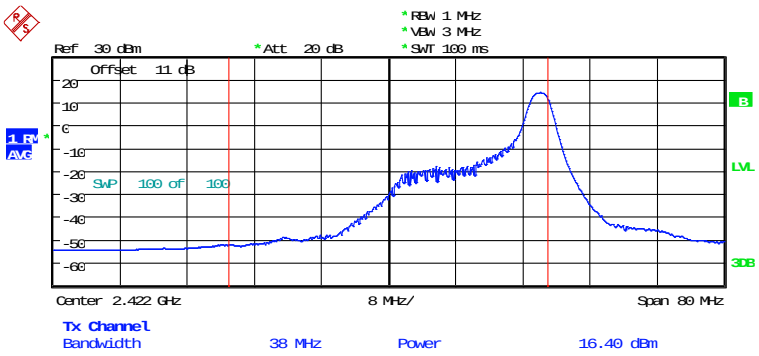


MAX OUTPUT POWER 802.11AX 20MHZ CH11 242RU1
Date: 24.OCT.2024 12:01:56

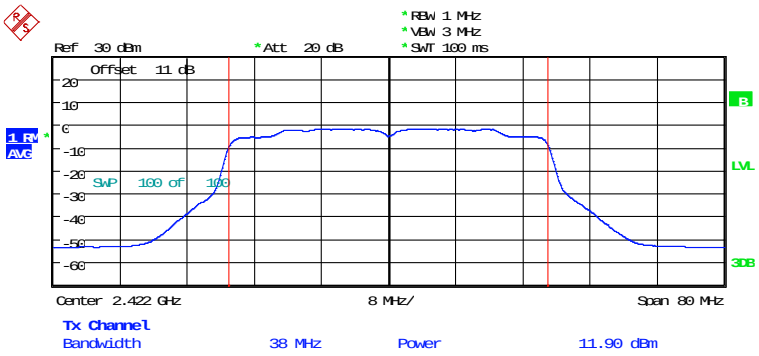
802.11ax 40MHz



MAX OUTPUT POWER 802.11AX 40MHZ CH01 26RU1
Date: 24.OCT.2024 12:05:35

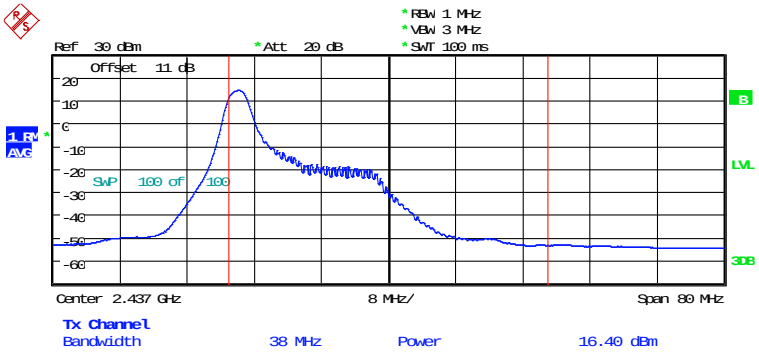


MAX OUTPUT POWER 802.11AX 40MHZ CH01 26RU18
Date: 24.OCT.2024 12:06:13

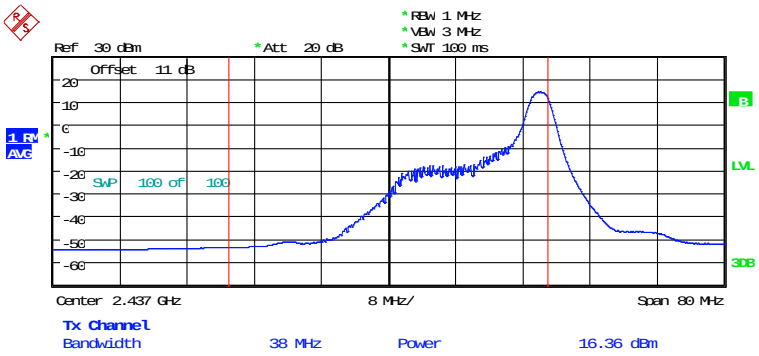


MAX OUTPUT POWER 802.11AX 40MHZ CH01 484RU1
Date: 24.OCT.2024 12:06:50

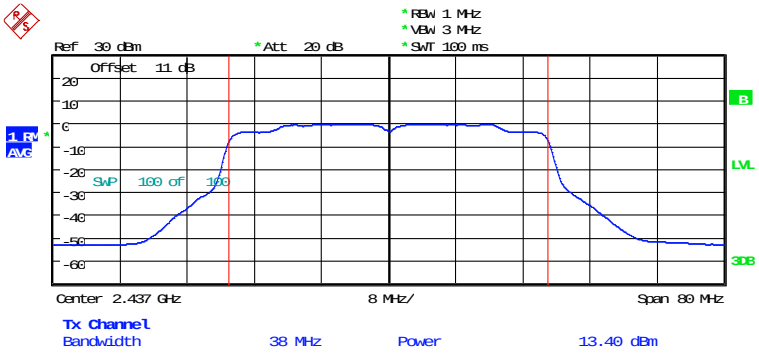
Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15



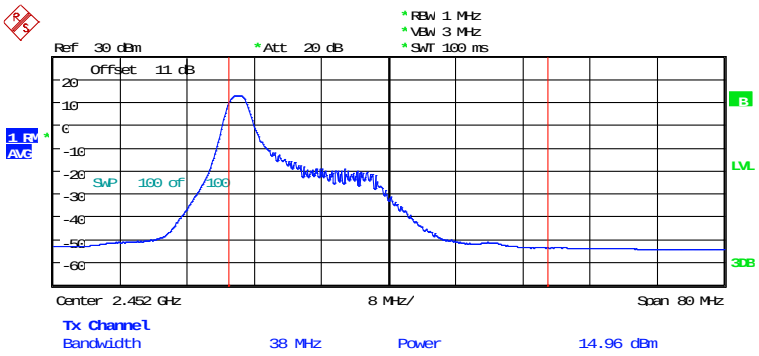
MAX OUTPUT POWER 802.11AX 40MHZ CH04 26RU1
Date: 24.OCT.2024 12:14:43



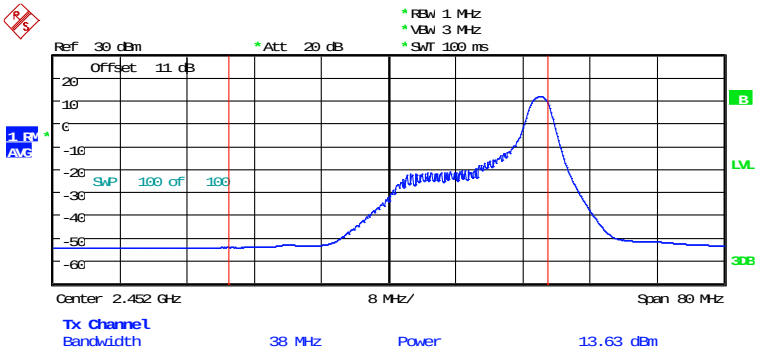
MAX OUTPUT POWER 802.11AX 40MHZ CH04 26RU18
Date: 24.OCT.2024 12:15:13



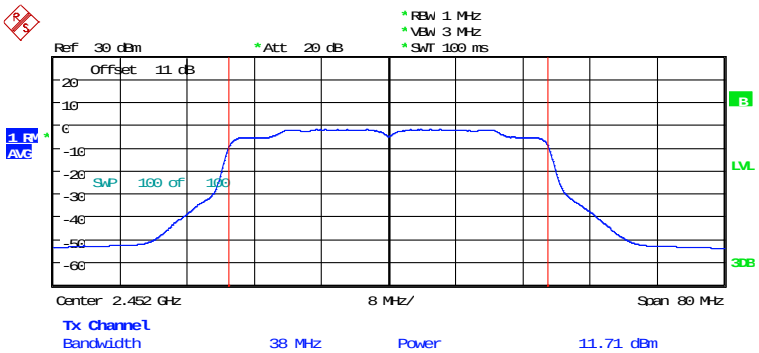
MAX OUTPUT POWER 802.11AX 40MHZ CH04 484RU1
Date: 24.OCT.2024 12:14:03



MAX OUTPUT POWER 802.11AX 40MHZ CH07 26RU1
Date: 24.OCT.2024 12:16:42



MAX OUTPUT POWER 802.11AX 40MHZ CH07 26RU18
Date: 24.OCT.2024 12:16:05



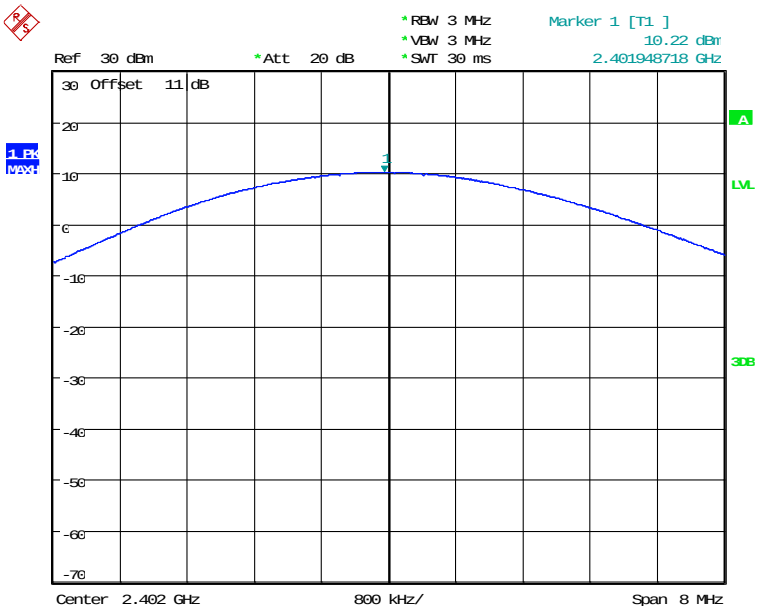
MAX OUTPUT POWER 802.11AX 40MHZ CH07 484RU1
Date: 24.OCT.2024 12:17:20

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15

Normal & EDR

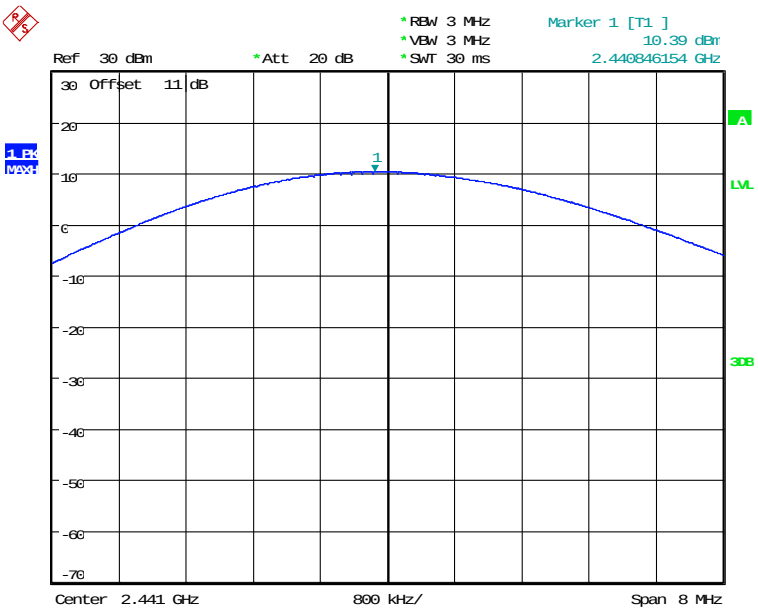
Band	Mode	Channel	Power (dBm)	Limit (dBm)
2.4GHz	BR	Ch 0 : 2402 MHz	10.22	21
		Ch 39 : 2441 MHz	10.39	21
		Ch 78 : 2480 MHz	10.07	21
	EDR	Ch 0 : 2402 MHz	7.99	21
		Ch 39 : 2441 MHz	8.09	21
		Ch 78 : 2480 MHz	7.50	21

Normal Mode

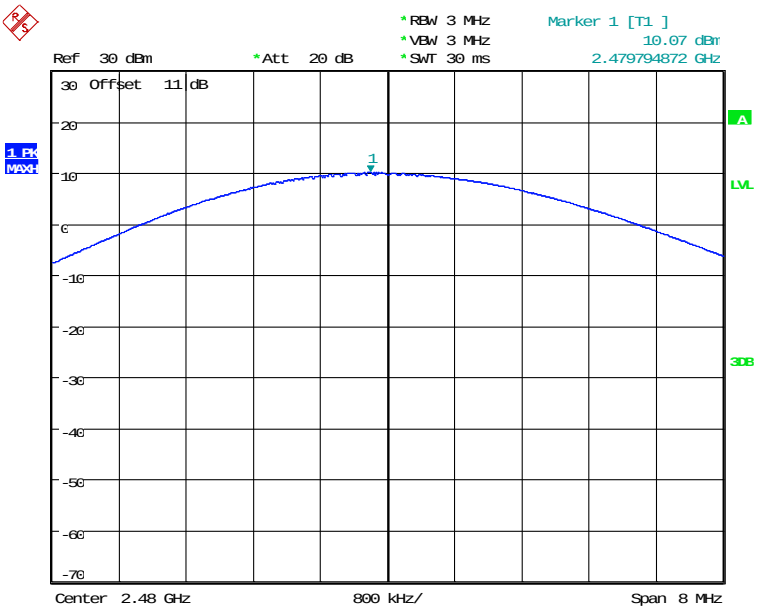


MAX OUTPUT POWER CH0
Date: 23.OCT.2024 17:27:35

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15



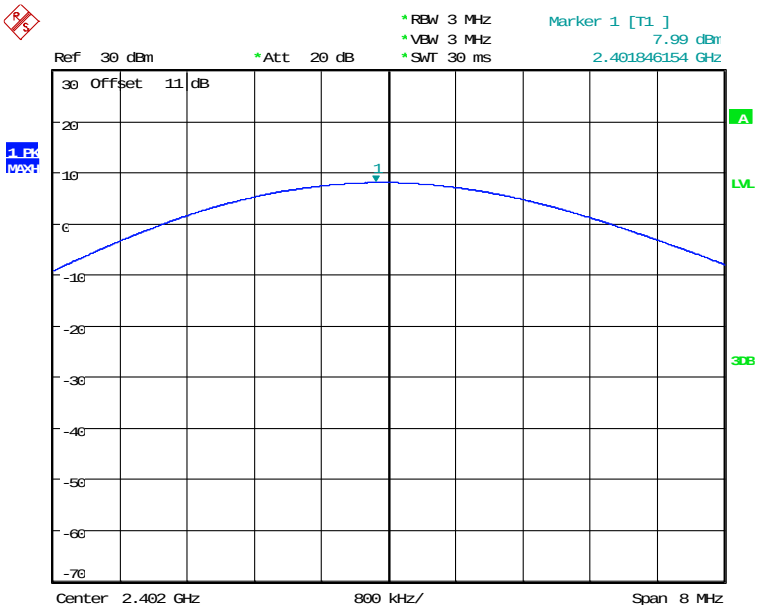
MAX OUTPUT POWER CH39
Date: 23.OCT.2024 17:29:55



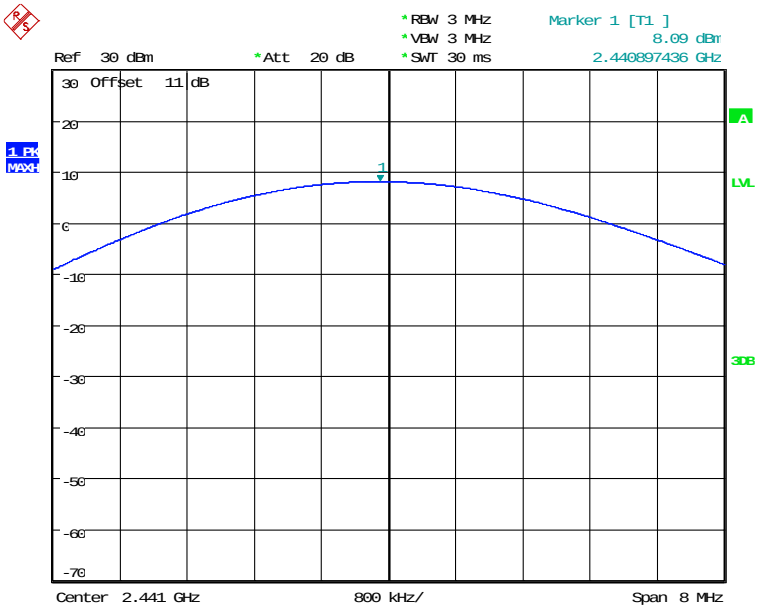
MAX OUTPUT POWER CH78
Date: 23.OCT.2024 17:30:31

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15

EDR Mode

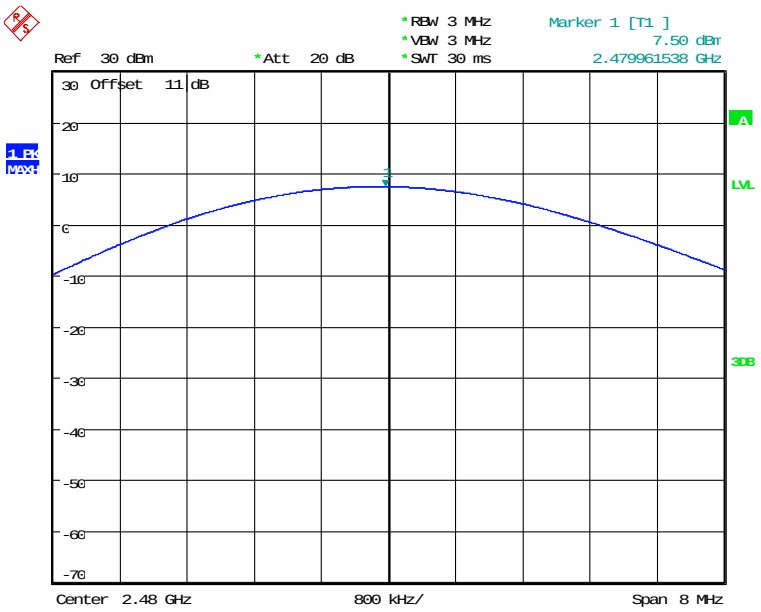


MAX OUTPUT POWER CH0 EDR MODE
Date: 23.OCT.2024 17:37:51



MAX OUTPUT POWER CH39 EDR MODE
Date: 23.OCT.2024 17:39:27

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15



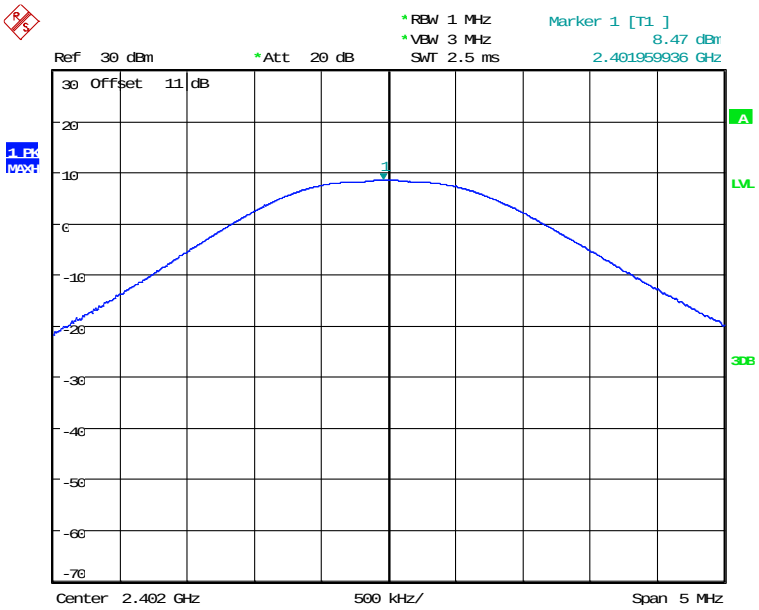
MAX OUTPUT POWER CH78 EDR MODE
Date: 23.OCT.2024 17:40:11

Low energy

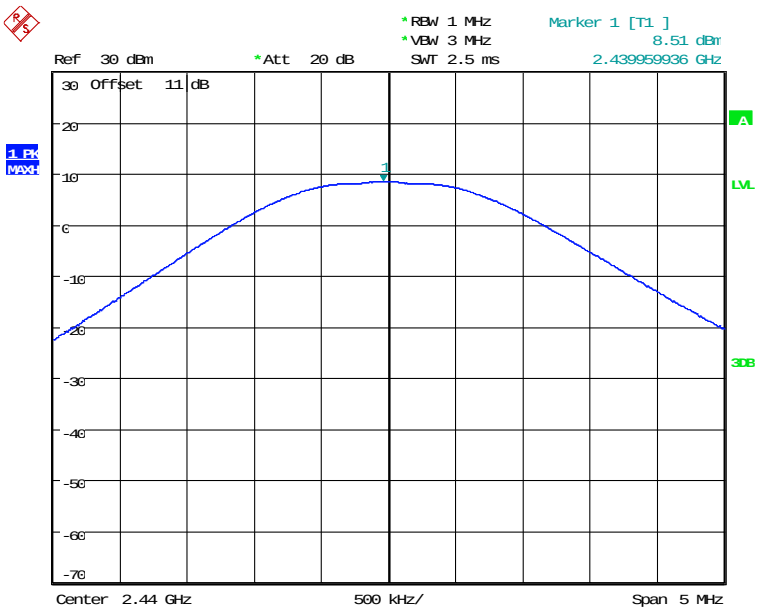
Band	Mode	Channel	Power (dBm)	Limit (dBm)
2.4GHz	BLE 1M	Ch 0 : 2402 MHz	8.47	30
		Ch 19 : 2440 MHz	8.51	30
		Ch 39 : 2480 MHz	7.95	30
2.4GHz	BLE 2M	Ch 0 : 2402 MHz	8.54	30
		Ch 19 : 2440 MHz	8.59	30
		Ch 39 : 2480 MHz	8.03	30

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15

1M

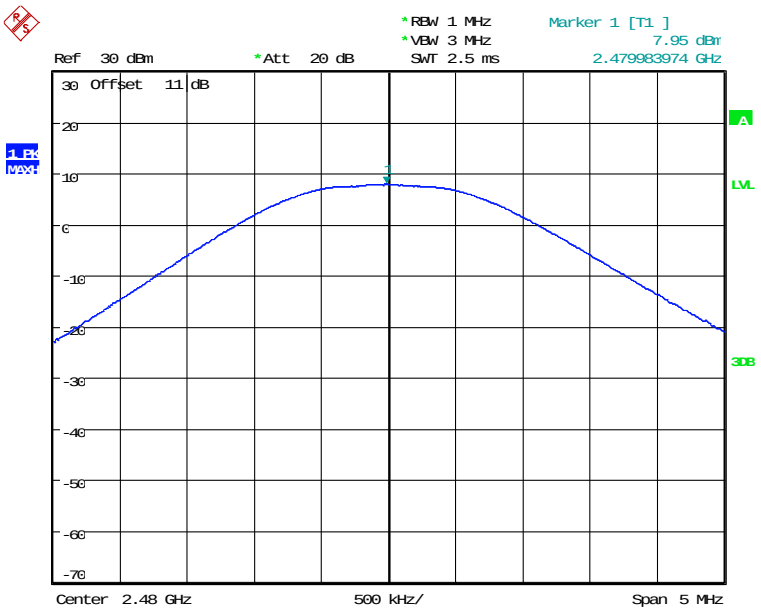


MAX OUTPUT POWER BLE 1M CH00
Date: 23.OCT.2024 18:00:35



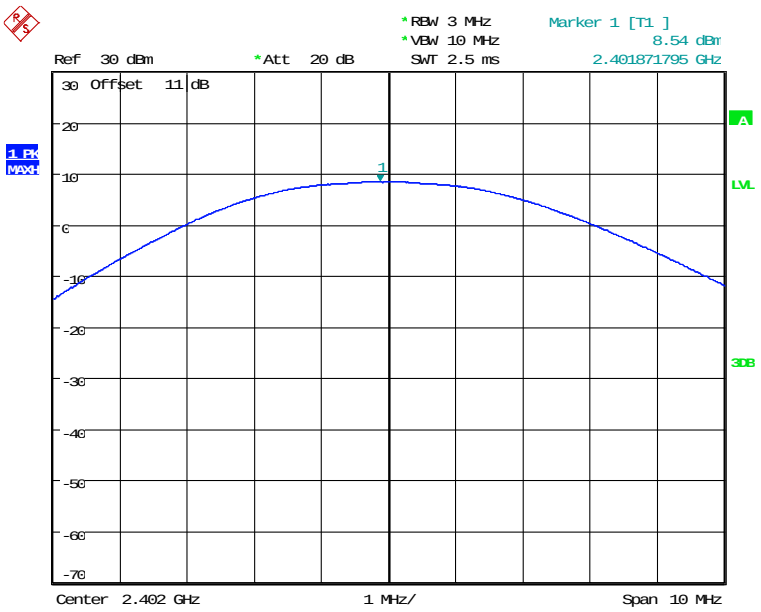
MAX OUTPUT POWER BLE 1M CH19
Date: 23.OCT.2024 18:01:23

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15



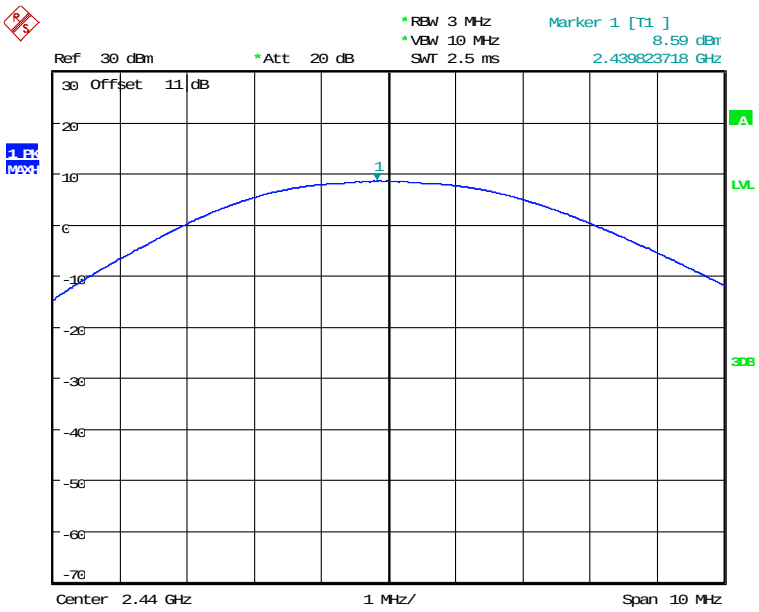
MAX OUTPUT POWER BLE 1M CH39
Date: 23.OCT.2024 18:02:03

2M

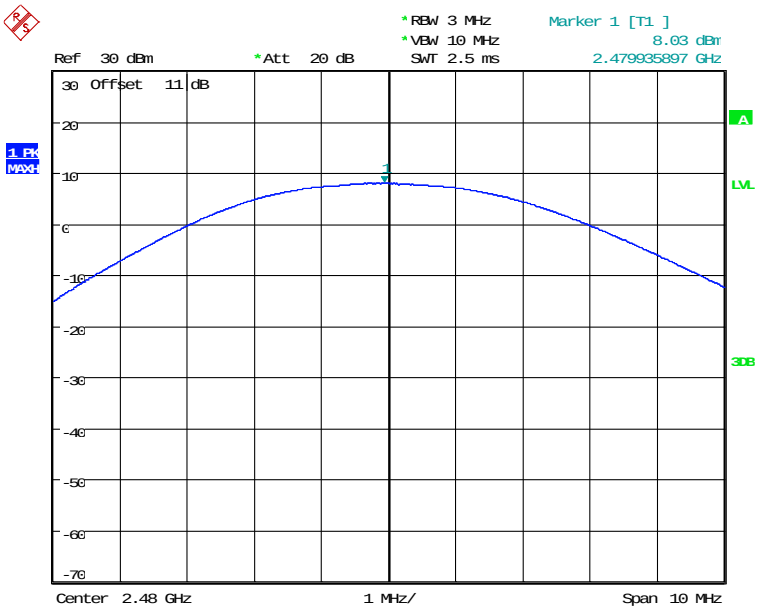


MAX OUTPUT POWER BLE 2M CH00
Date: 23.OCT.2024 18:03:19

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15



MAX OUTPUT POWER BLE 2M CH19
Date: 23.OCT.2024 18:04:07



MAX OUTPUT POWER BLE 2M CH39
Date: 23.OCT.2024 18:04:51

Limits:

Frequency MHz	Power dBm
902 - 928	30
2400 – 2483.5	30
5725 – 5850	30

In case of employing transmitter antennas having antenna gain ＞ 6 dBi and using fixed point-to point operation consider §15.247 (b)(4)

3.2 Transmitter Radiated Emissions in Restricted Bands

FCC Rules: 15.247 (c), 15.205, 15.209, 15.35
Radiated emission measurements were performed from 30 MHz to 26500 MHz.
For radiated emission tests, the analyzer setting was as followings:

Frequency ≦ 1 GHz, RBW:100 kHz, VBW: 100 kHz (Peak measurements)
Frequency ＞1 GHz, RBW: 1 MHz, VBW: 1 MHz (Peak measurements)
Frequency ＞1 GHz , RBW:1 MHz , VBW: 10 Hz (Average measurements)

Limits.

For frequencies below 1GHz:

Frequency of Emission (MHz)	Field strength (microvolts/meter)	Field Strength (dB microvolts/meter)
30 - 88	100	40.0
88 - 216	150	43.5
216 - 960	200	46.0
Above	500	54.0

For frequencies above 1GHz (Average measurements).

Guidance on Measurement of Digit Transmission Systems:
“If the emission is pulsed, modify the unit for continuous operation, use the setting shown above, then correct the reading by subtracting the peak-average correction factor, derived from the appropriate duty cycle calculation.”

The correction factor, based on the total channel dwell time in a 100 ms period, may be mathematically applied to a measurement made with an average detector, to further reduce the value.

Duty cycle correction = 20 log (dwell time/ 100ms)

Note: No duty cycle correction was added to the reading of this EUT.

Explanation: See attached diagrams in Appendix.

3.3 Spurious Emissions (tx)

Spurious emission was measured with modulation (declared by manufacturer).

In any 100 kHz bandwidth outside the frequency band in which the intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in § 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c))

FCC Rule: 15.247(d), 15.35
For out of band emissions that are close to or that exceed the 20 dB attenuation requirement described in the specification, radiated measurements were performed at a 3 m separation distance to determine whether these emissions complied with the general radiated emission requirement.

Limits:

For frequencies above 1GHz (Peak measurements).
Modified Limit for peak according to 15.35 (b) = Max Permitted average Limits + 20dB

For frequencies above 1GHz (Average measurements).
Max. reading – 20dB

Max. reading – 20 dB
Guidance on Measurement of Digit Transmission Systems:
“If the emission is pulsed, modify the unit for continuous operation, use the settings shown above, then correct the reading by subtracting the peak-average correction factor, derived from the appropriate duty cycle calculation.”

The correction factor, based on the total channel dwell time in a 100 ms period, may be mathematically applied to a measurement made with an average detector, to further reduce the value.

Duty Cycle correction = 20 log (dwell time/100ms)

Note: No duty cycle correction was added to the reading of EUT.

SAMPLE CALCULATION OF LIMIT. All results will be updated by an automatic measuring system in accordance with point 2.3.

Calculation of test results:
Such factors like antenna correction, cable loss, external attenuation etc. are already included in the provided measurement results. This is done by using validated test software and calibrated test system according the accreditation requirements.

The peak and average spurious emission plots was measured with the average limits.
In the Table being listed the critical peak and average value and exhibit the compliance with the above calculated Limits.

If in the column's correction factor states a value then the max. Field strength in the same row is corrected by a value gained from the "Correction Factor".

Summary table with radiated data of the test plots

Model:	ML15	Date:	--		
Mode:	--	Temperature:	--	°C	Engineer: --
Polarization:	--	Humidity:	--	%	

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--

Frequency (MHz)	Reading (dBuV) Peak	Reading (dBuV) Ave.	Factor (dB) Corr.	Result @3m (dBuV/m) Peak	Result @3m (dBuV/m) Ave.	Limit @3m (dBuV/m) Peak	Limit @3m (dBuV/m) Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--

Note

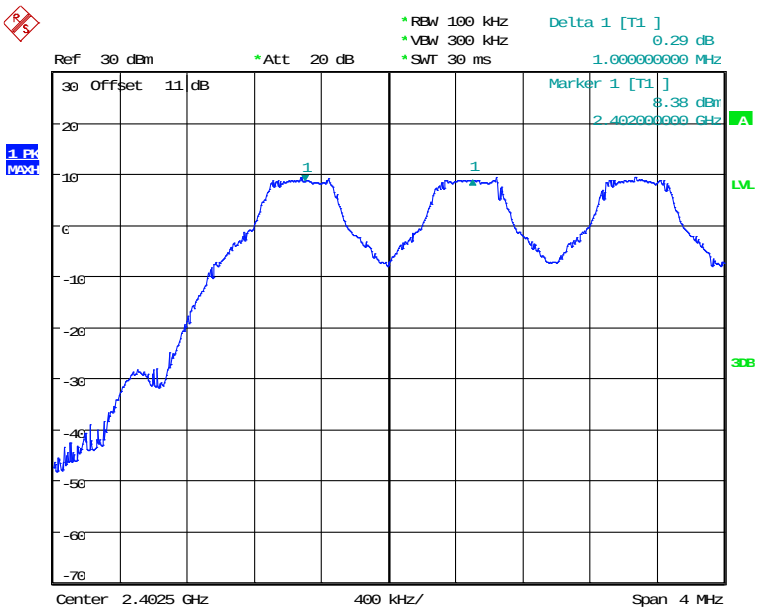
1. **Correction Factor = Antenna factor + Cable loss - Preamplifier**
2. **The formula of measured value as: Test Result = Reading + Correction Factor**
3. **Detector function in the form : PK = Peak, QP = Quasi Peak, AV = Average**
4. **All not in the table noted test results are more than 20 dB below the relevant limits.**
5. **After evaluated, the test result in this report adopt the worst case to measure, please see attached diagrams in appendix.**

TEST RESULT (Transmitter): The unit DOES meet the FCC requirements.

3.4 Carrier Frequency Separation

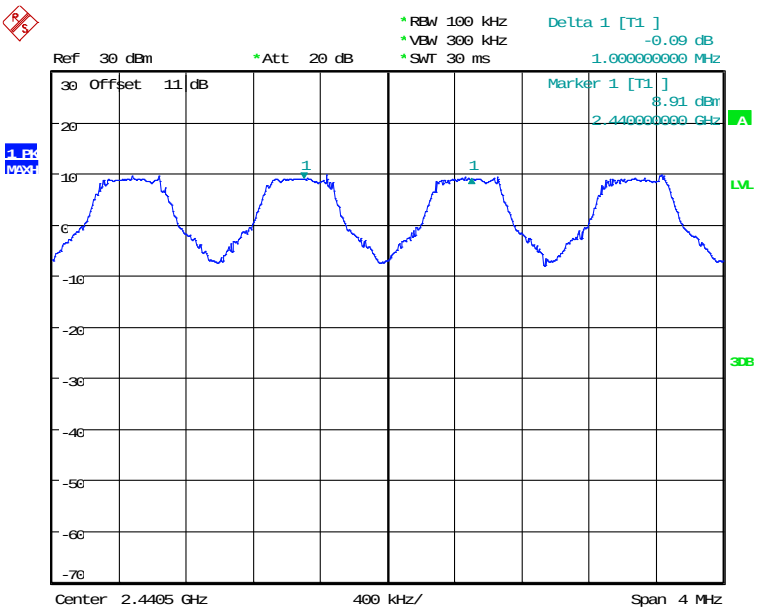
Carrier Frequency Separation was measured with modulation (declared by manufacturer).
According to FCC rules part 15 subpart C §15.247 frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or 20 dB bandwidth of the hopping channel, whichever is greater.

Test date: October 23, 2024
Temperature: 24.0 ˚C
Humidity: 58.7 %
Tester: Ken

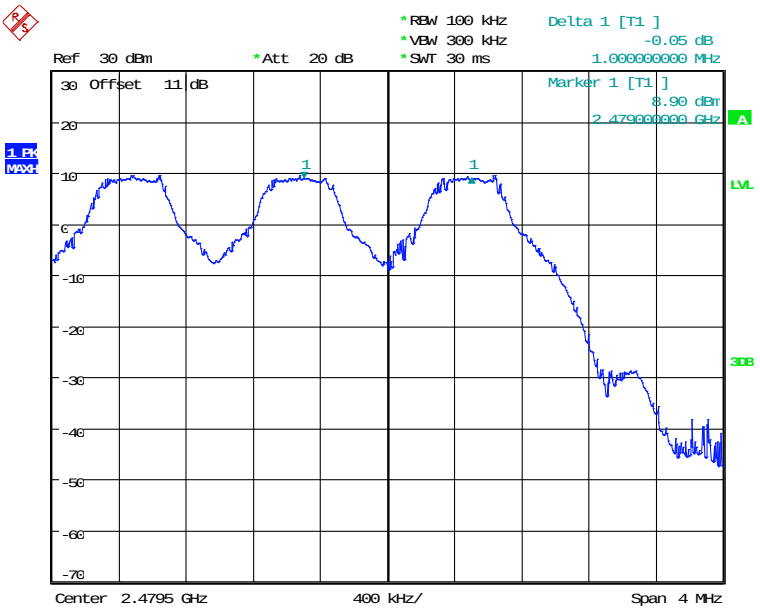


FREQUENCY SEPARATION CH0
Date: 23.OCT.2024 17:35:27

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15



FREQUENCY SEPARATION CH39
Date: 23.OCT.2024 17:36:19



FREQUENCY SEPARATION CH78
Date: 23.OCT.2024 17:37:15

Limits:

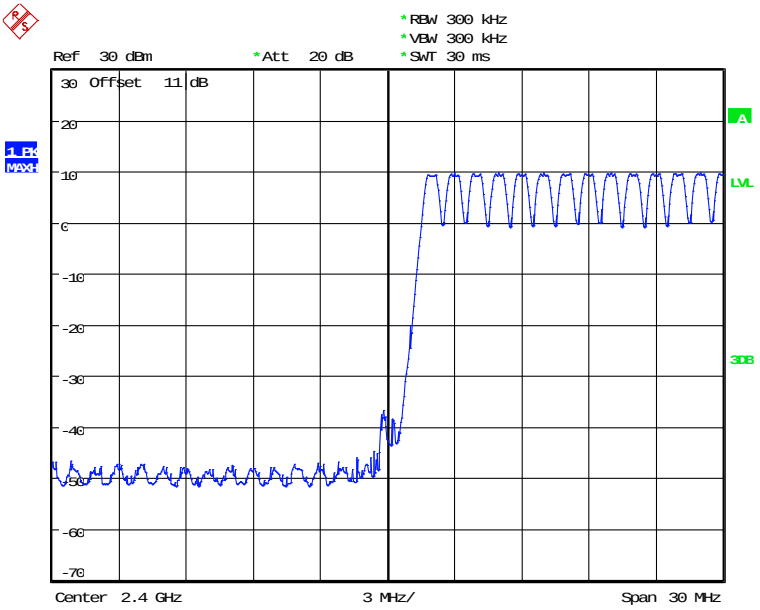
Frequency Range MHz	Limits	
	20 dB bandwidth < 25 kHz	20 dB bandwidth > 25 kHz
902-928	25 kHz	20 dB bandwidth
2400-2483.5 5725-5850.0	25 kHz	20 dB bandwidth

3.5 Number of Hopping Frequencies

According to FCC rules part 15 subpart C §15.247 frequency hopping systems operating in the 2400-2483.5 MHz band shall use at least 15 hopping frequencies. Frequency hopping systems in 5725-5850 MHz bands shall use least 75 hopping frequencies.

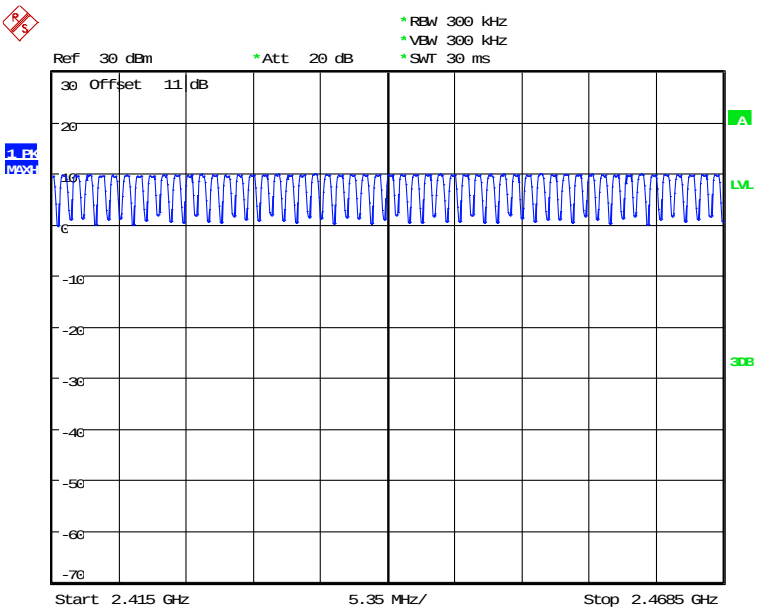
For frequency hopping systems operating in the 902-928 MHz band: if the 20dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies; if the 20dB bandwidth of the hopping channel 250 kHz or greater, the system shall use at least 25 hopping frequencies.

Test date: October 23, 2024
Temperature: 24.0 ˚C
Humidity: 58.7 %
Tester: Ken

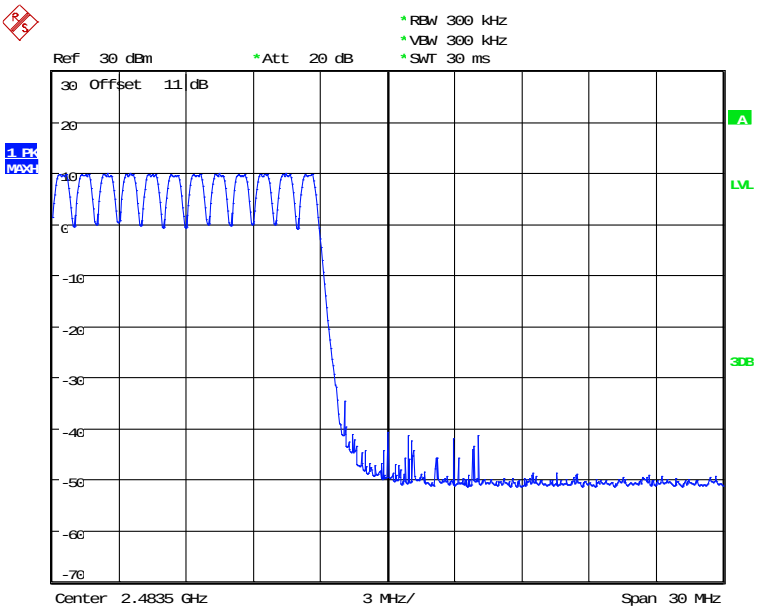


NUMBER OF HOPPING CH0-13
Date: 23.OCT.2024 17:32:23

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15



NUMBER OF HOPPING CH14-66
Date: 23.OCT.2024 17:34:27



NUMBER OF HOPPING CH67-78
Date: 23.OCT.2024 17:33:11

Limits:

Frequency Range MHz	Limit	
	20dB Bandwidth	Number of Channels
902-928 MHz	Bandwidth < 250 kHz	≥ 50
	Bandwidth ≥ 250 kHz	≥ 25
2400-2483.5	not defined	15
5725-5850.0 MHz	1 MHz	75

3.6.1 Pseudorandom Frequency Hopping Sequence

The generation of the hopping sequence is determined by the Bluetooth core specification and complies with the FCC requirements.

3.6.2 Coordination of hopping sequences to other transmitters

According to the Bluetooth core specification such a coordination is not possible. During scatternet function only one of the two hopping sequences will be used at a definite moment.

3.6.3 System Receiver Hopping Capability

According to the Bluetooth core specification. The system receivers shift frequencies in synchronization with the transmitted signals.

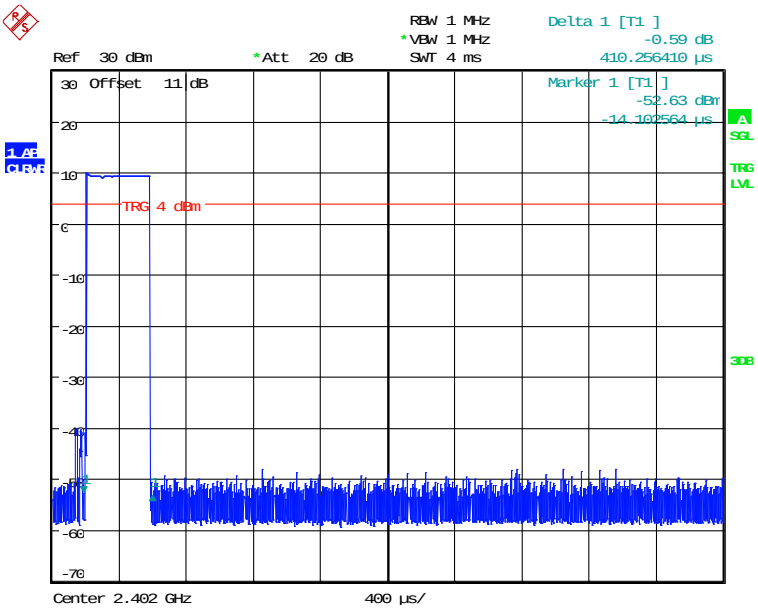
3.6 Time of Occupancy (Dwell Time)

Frequency hopping systems operating in the 5725-5850 MHz band shall use an average time of occupancy on any frequency not greater than 0.4 seconds within a 30 second period.

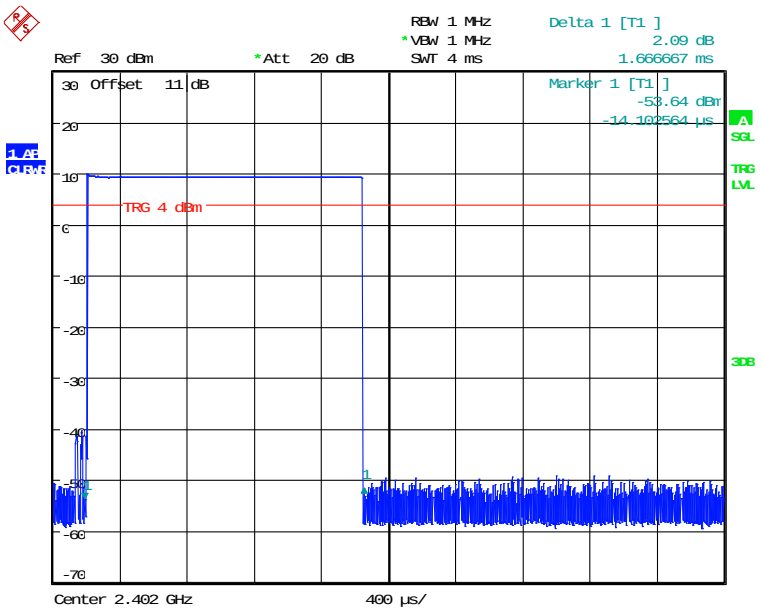
In 2400-2483.5 MHz band the average time of occupancy on any channel shall not be greater than 0.4 seconds multiplied by the number of hopping channels employed.

For frequency hopping systems operating in the 902-928 MHz band: if the 20dB bandwidth of the hopping channel is less than 250 kHz, the average time of occupancy on any frequency shall not greater than 0.4 seconds within a 20 second period; if the 20dB bandwidth of the hopping channel is 250 kHz or greater, the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 10 second period.

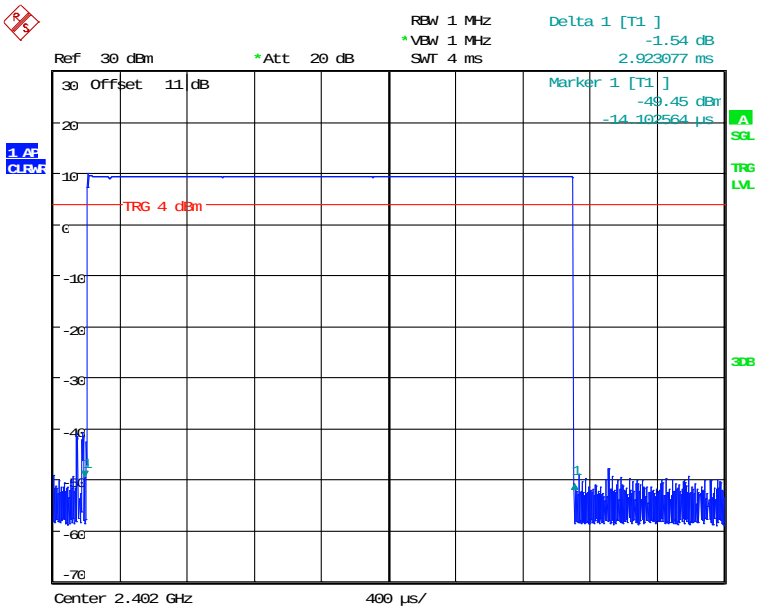
Test date: October 23, 2024
Temperature: 24.0 ˚C
Humidity: 58.7 %
Tester: Ken



DWELL TIME CH0 DH1 (0.41ms * 320 event = 131.2ms)
Date: 23.OCT.2024 17:51:50

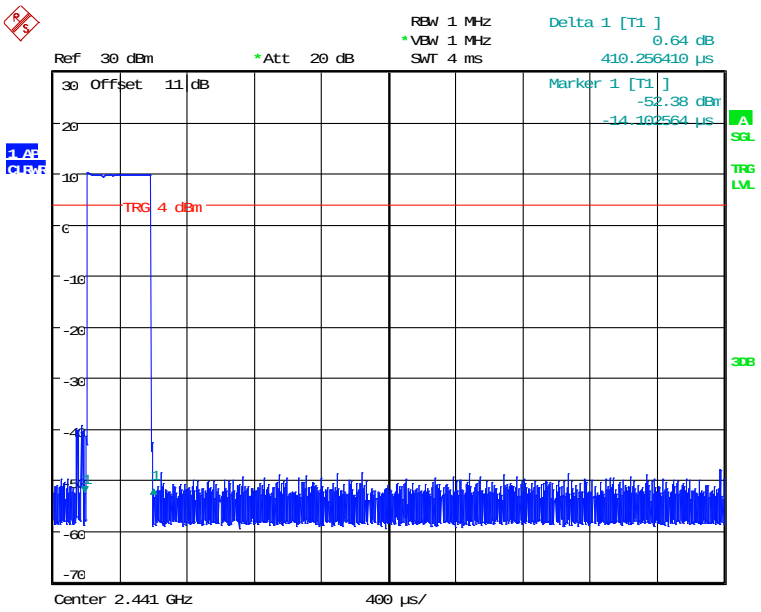


DWELL TIME CH0 DH3 (1.67ms * 160 event = 267.2ms)
Date: 23.OCT.2024 17:55:17

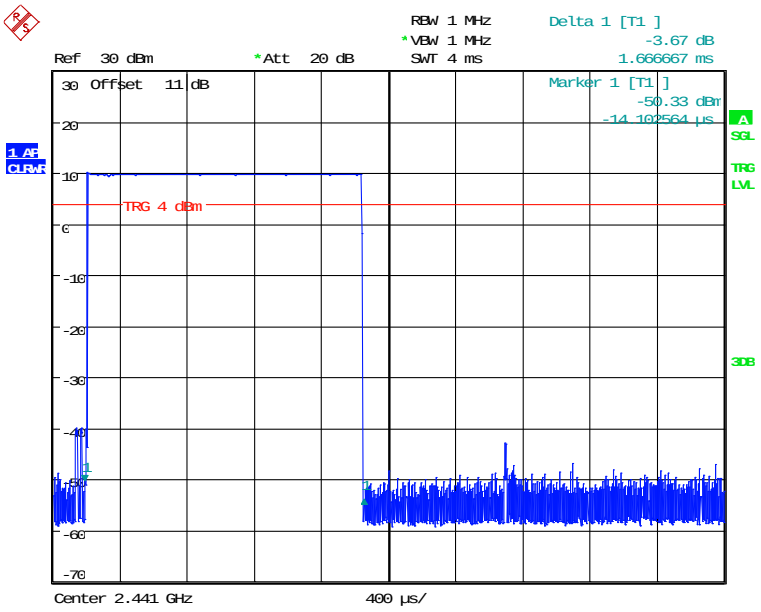


DWELL TIME CH0 DH5 (2.92ms * 106 event = 309.52ms)
Date: 23.OCT.2024 17:57:03

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15

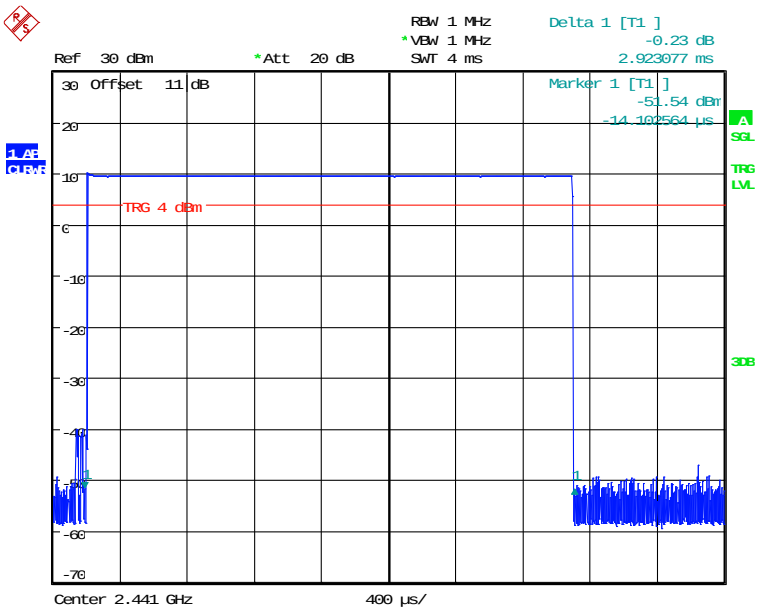


DWELL TIME CH39 DH1 (0.41ms * 320 event = 131.2ms)
Date: 23.OCT.2024 17:52:32

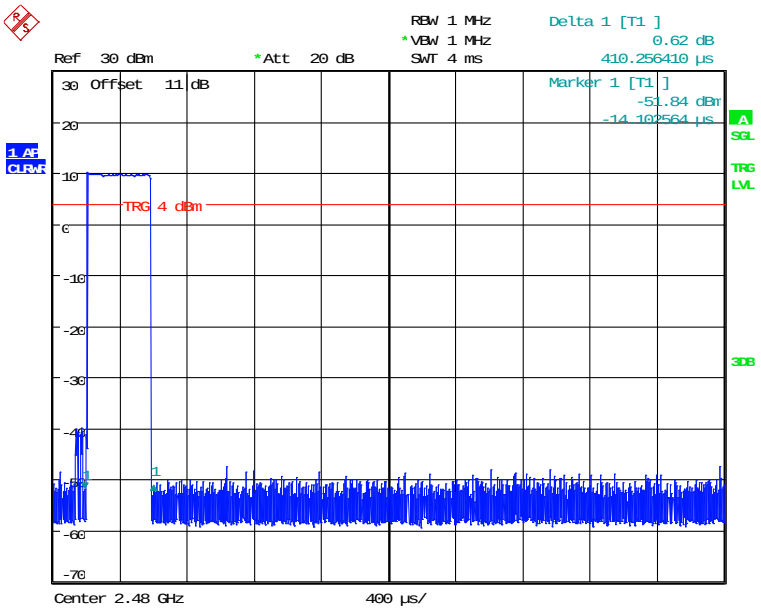


DWELL TIME CH39 DH3 (1.67ms * 160 event = 267.2ms)
Date: 23.OCT.2024 17:54:53

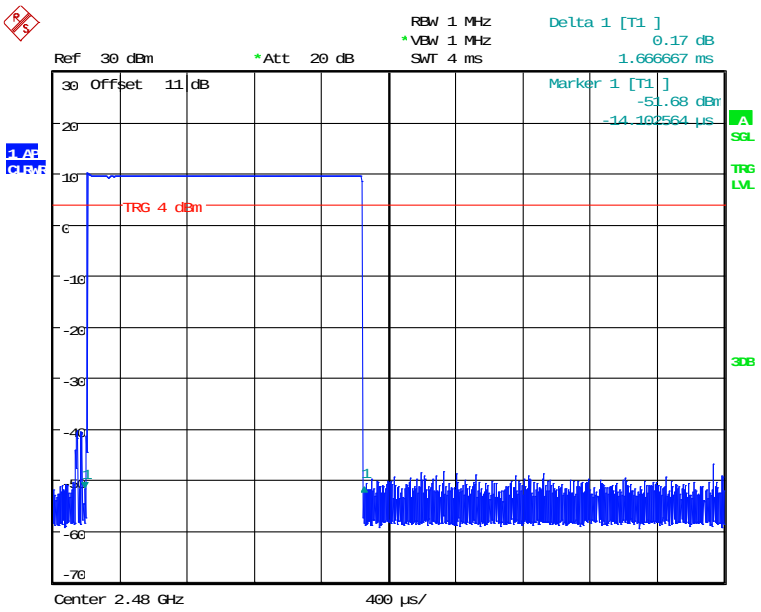
Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15



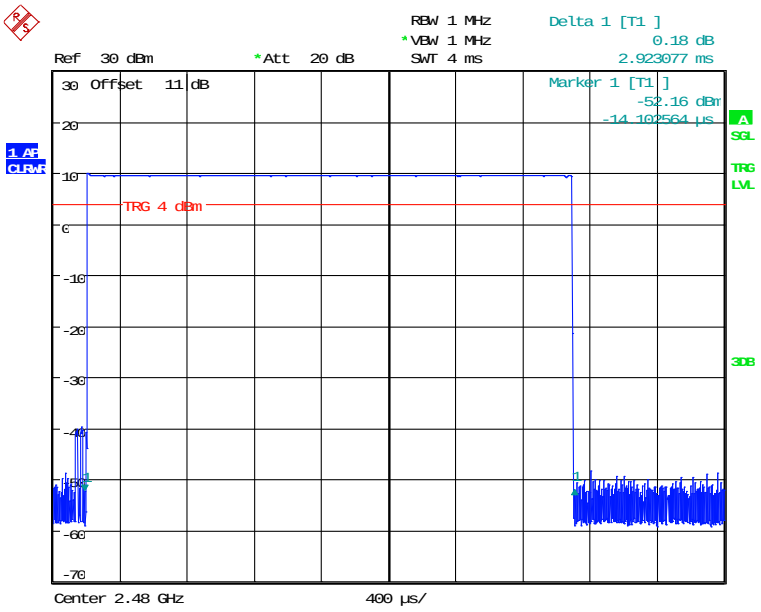
DWELL TIME CH39 DH5 (2.92ms * 106 event = 309.52ms)
Date: 23.OCT.2024 17:57:23



DWELL TIME CH78 DH1 (0.41ms * 320 event = 131.2ms)
Date: 23.OCT.2024 17:53:11



DWELL TIME CH78 DH3 (1.67ms * 160 event = 267.2ms)
Date: 23.OCT.2024 17:54:30



DWELL TIME CH78 DH5 (2.92ms * 106 event = 309.52ms)
Date: 23.OCT.2024 17:57:45

Limits and measurement periods:

Frequency MHz	Number of channels	Measurement Periode	Limit
902 – 928	≥50	20 s	0.4 s
	49 ≥ 25	10 s	0.4 s
2400 – 2483.5	≥ 15	0.4 s * number of used channels	0.4 s
5725- 5850	≥ 75	30 s	0.4s

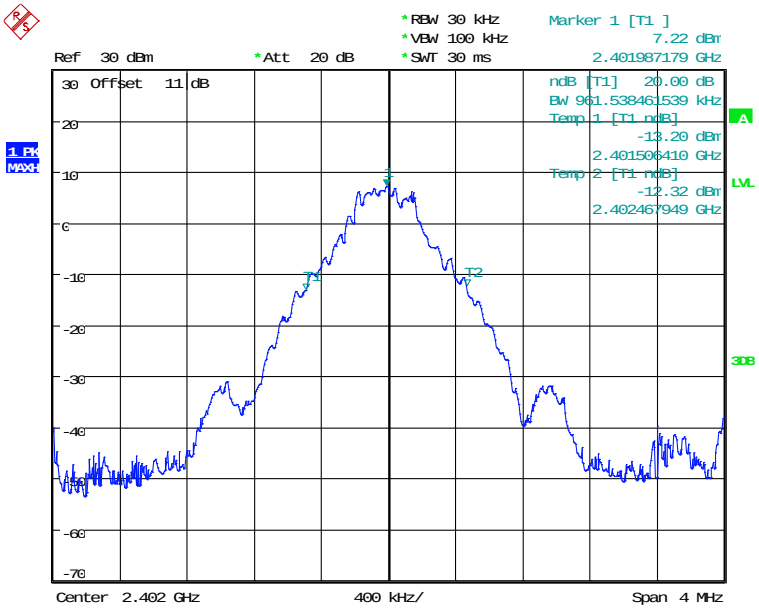
3.7 20dB Bandwidth

Frequency hopping systems operating in the 5725-5850 MHz bands shall use a maximum 20dB bandwidth of 1 MHz.
The 20dB bandwidth is measured on the lowest, middle and highest hopping channel.

For frequency hopping systems operating in the 902-928 MHz band the maximum 20dB bandwidth of the hopping channel is 500 kHz.

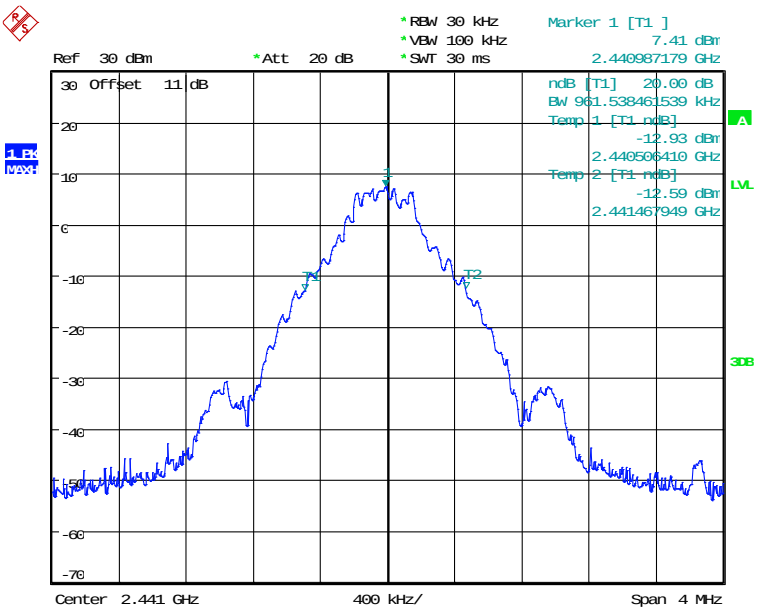
Test date: October 23, 2024
Temperature: 24.0 ˚C
Humidity: 58.7 %
Tester: Ken

Normal Mode

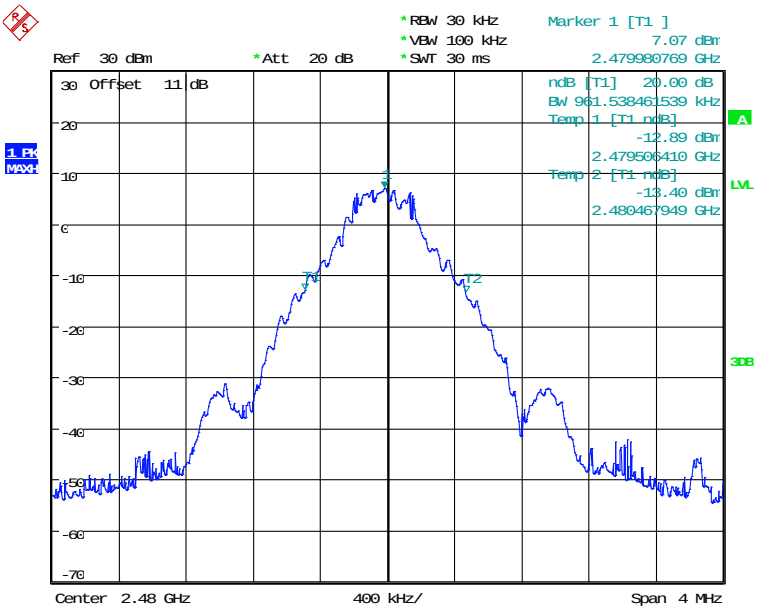


20DB BANDWIDTH CH0
Date: 23.OCT.2024 17:27:43

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15



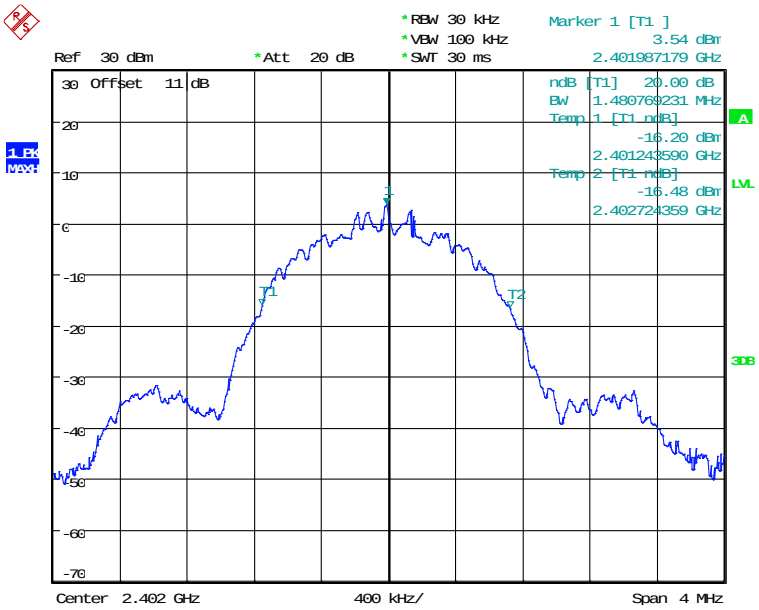
20DB BANDWIDTH CH39
Date: 23.OCT.2024 17:30:03



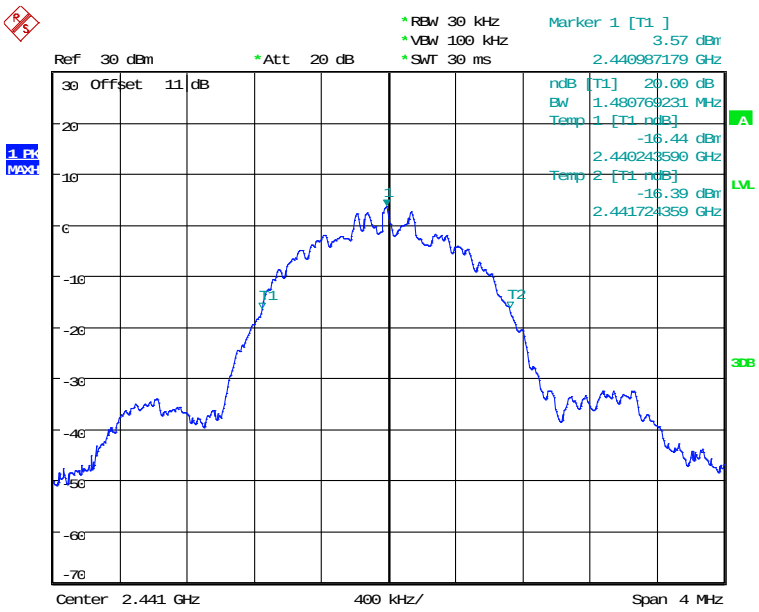
20DB BANDWIDTH CH78
Date: 23.OCT.2024 17:30:39

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15

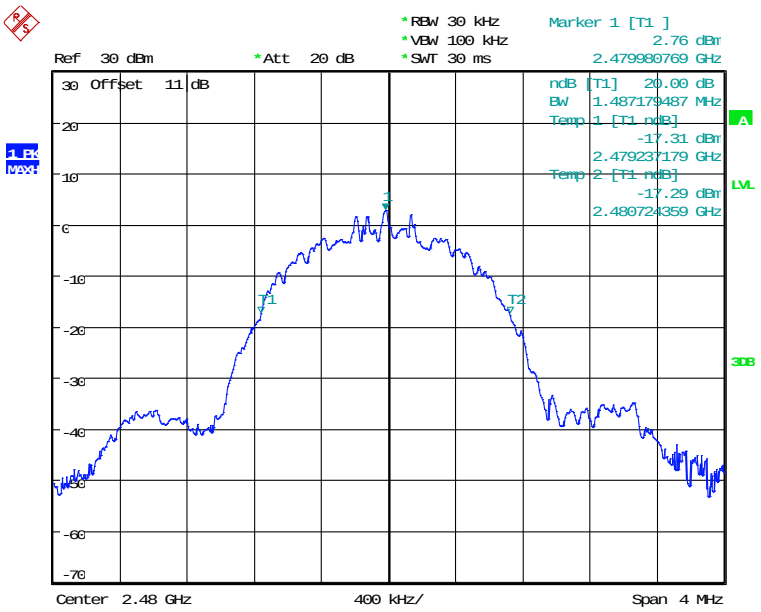
EDR Mode



20DB BANDWIDTH CH0 EDR MODE
Date: 23.OCT.2024 17:37:59



20DB BANDWIDTH CH39 EDR MODE
Date: 23.OCT.2024 17:39:35



Limits:

Frequency Range / MHz	Limit
902-928	≤ 500 kHz
2400-2483.5	not defined
5725-5850	≤ 1 MHz

3.8.1 System Receiver Input Bandwidth

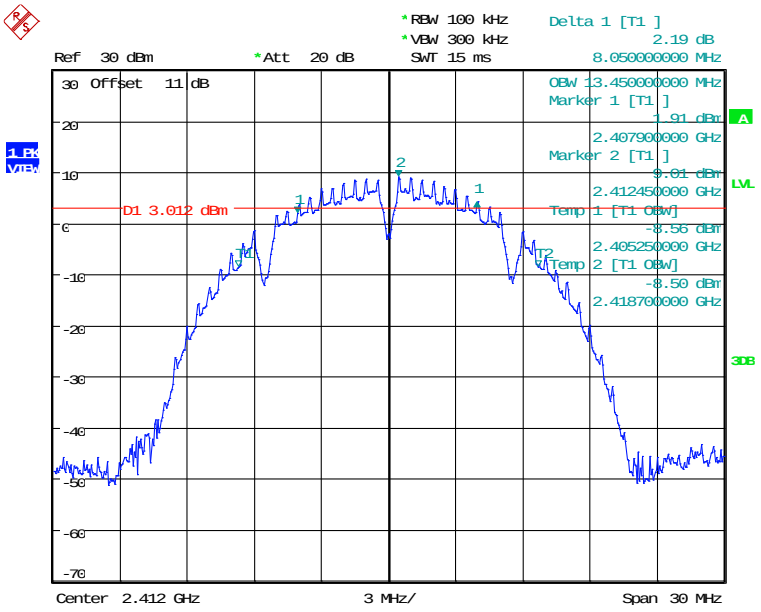
It is determined in the Bluetooth core specification. The value matches to the bandwidth of transmitter signal.

3.8 Minimum 6 dB Bandwidth

The analyzer ResBW was set to 100 kHz. For each RF output channel investigated, the spectrum analyzer center frequency was set to the channel carrier. A PEAK reading was taken, two markers were set 6 dB below the maximum level on the right and the left side of the emission.
The 6 dB bandwidth is the frequency difference between the two markers.

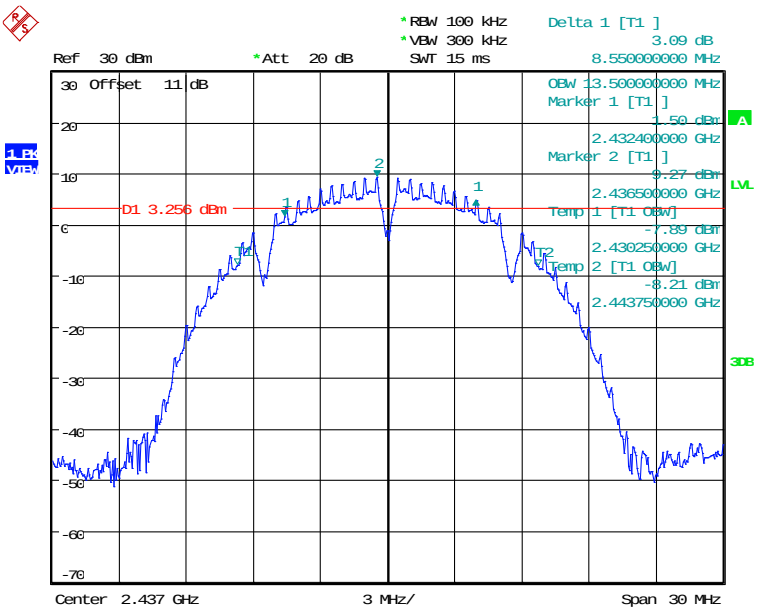
Test date: October 23, 2024-October 24, 2024
Temperature: 24.4˚C
Humidity: 56.3%
Tester: Ken

MAIN antenna
802.11b

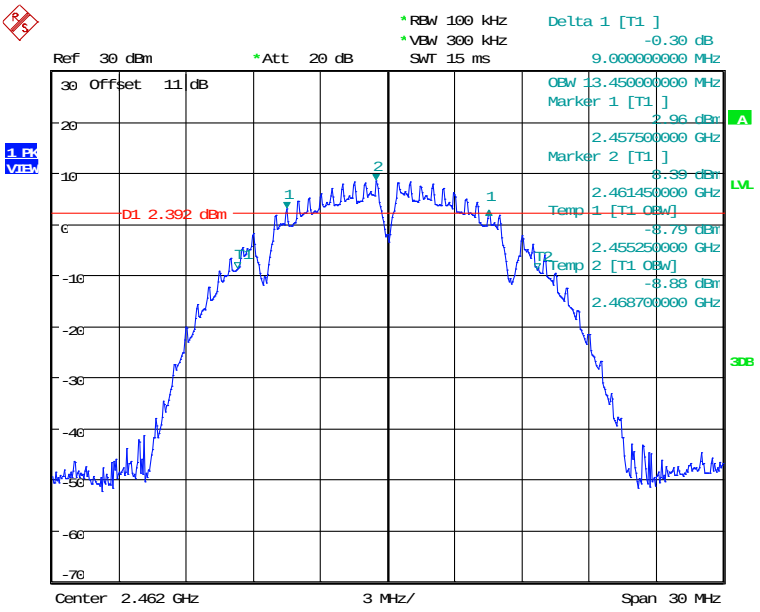


6DB BANDWIDTH 802.11B CH01
Date: 23.OCT.2024 18:30:46

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15

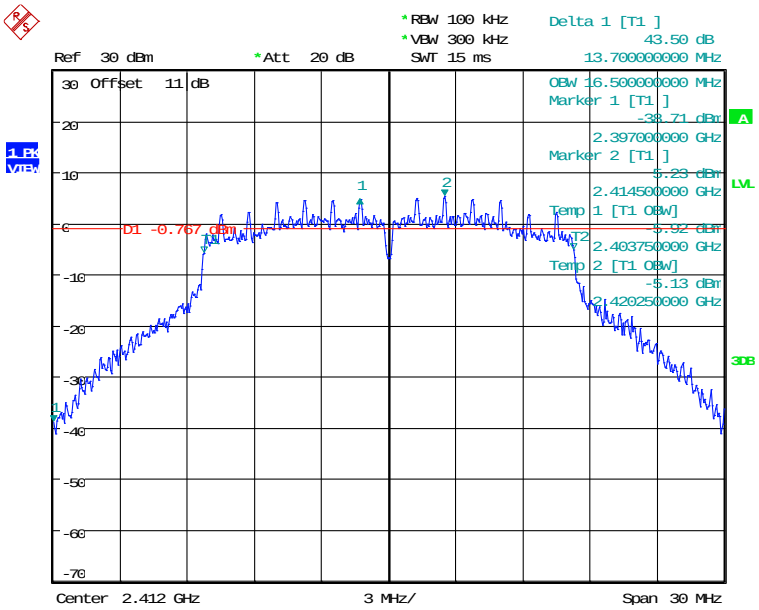


6DB BANDWIDTH 802.11B CH06
Date: 23.OCT.2024 18:31:40



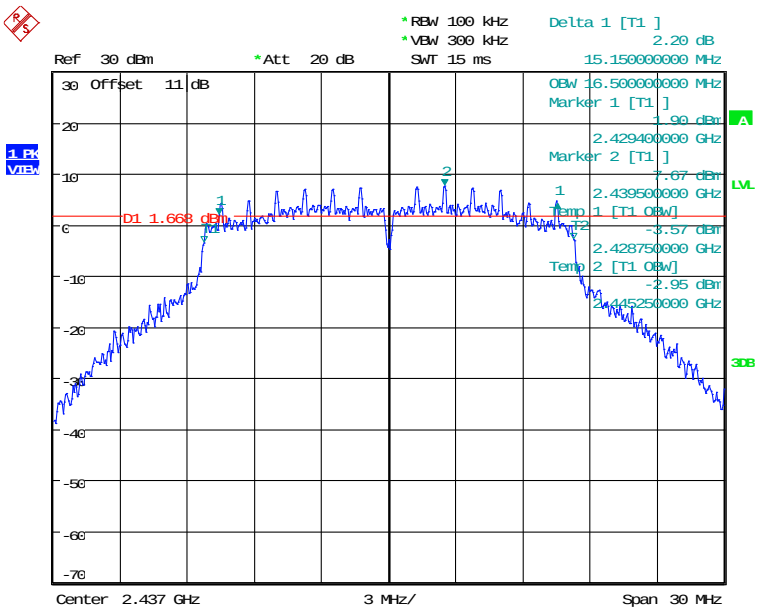
6DB BANDWIDTH 802.11B CH11
Date: 23.OCT.2024 18:32:28

802.11g



6DB BANDWIDTH 802.11G CH01

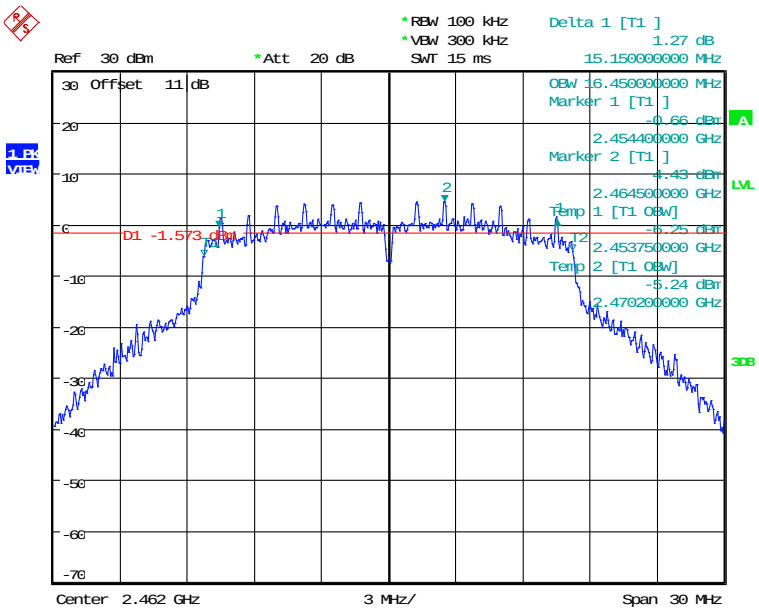
Date: 23.OCT.2024 18:35:16



6DB BANDWIDTH 802.11G CH06

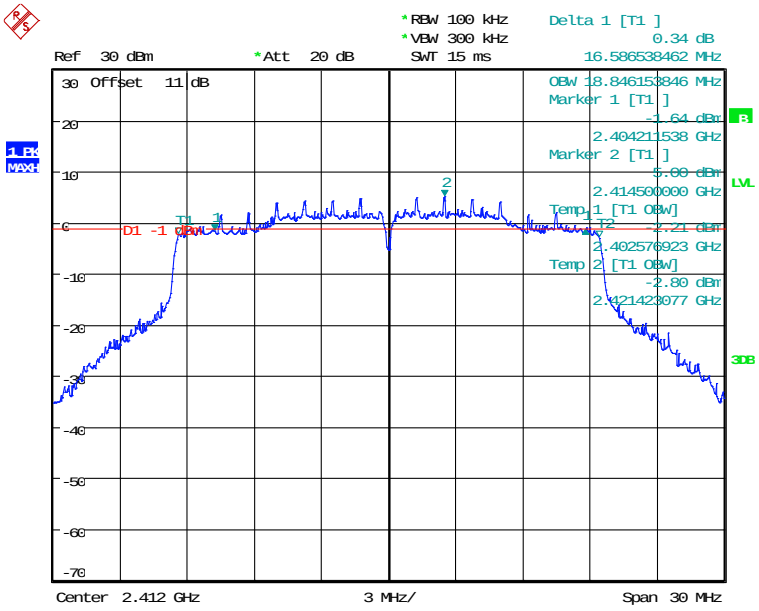
Date: 23.OCT.2024 18:37:56

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15



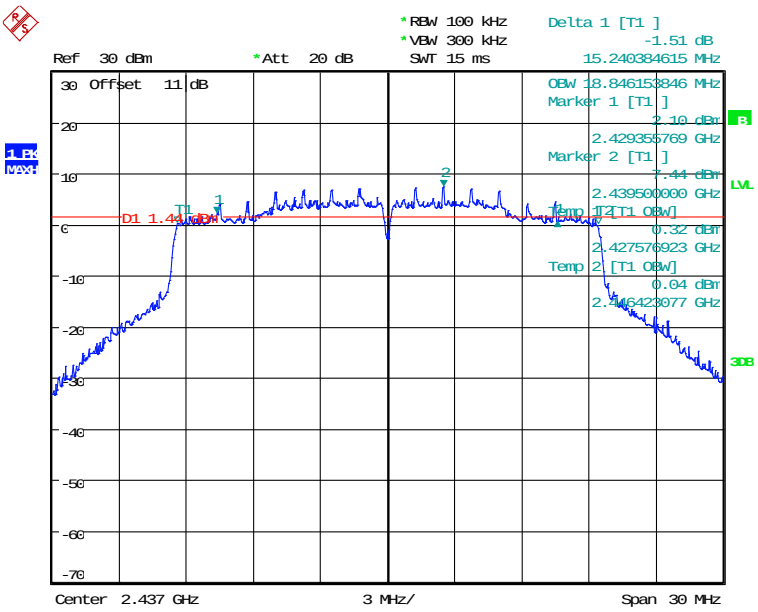
6DB BANDWIDTH 802.11G CH11
Date: 23.OCT.2024 18:38:48

802.11ax 20MHz

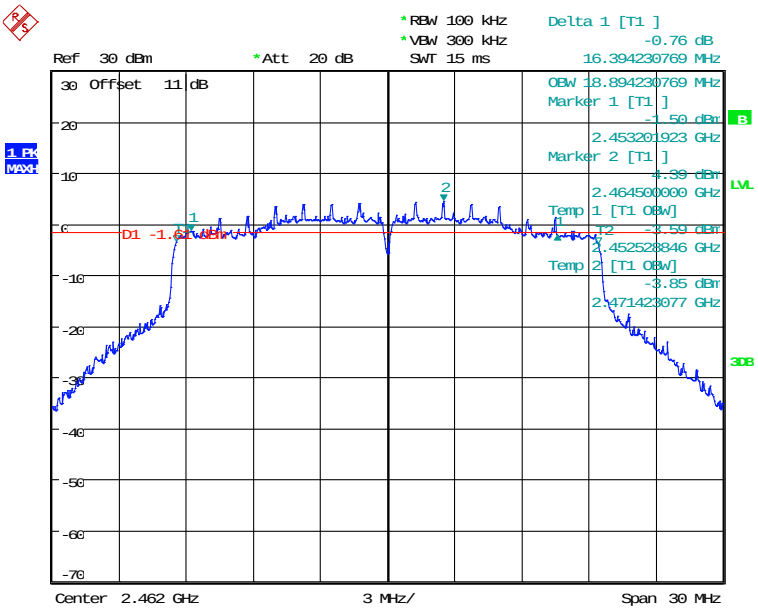


6DB BANDWIDTH 802.11AX 20MHZ CH01
Date: 24.OCT.2024 16:36:11

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15



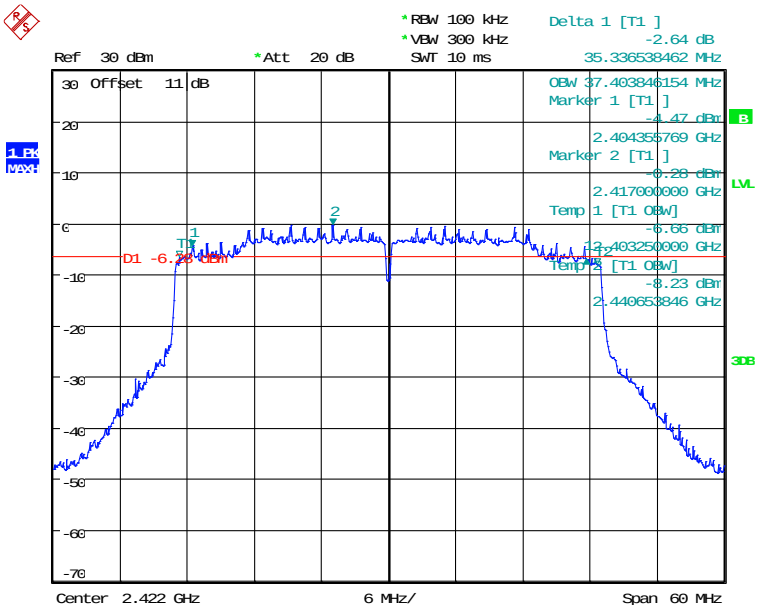
6DB BANDWIDTH 802.11AX 20MHZ CH06
Date: 24.OCT.2024 16:34:55



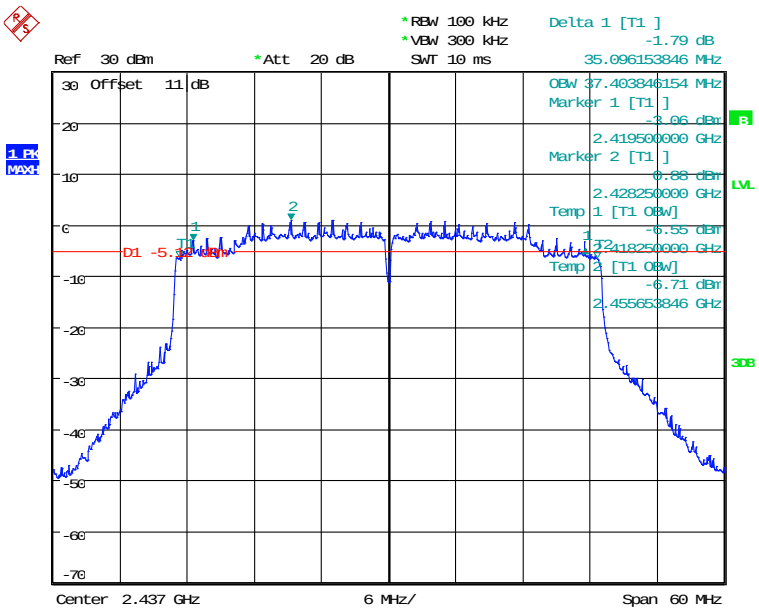
6DB BANDWIDTH 802.11AX 20MHZ CH11
Date: 24.OCT.2024 16:33:45

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15

802.11ax 40MHz

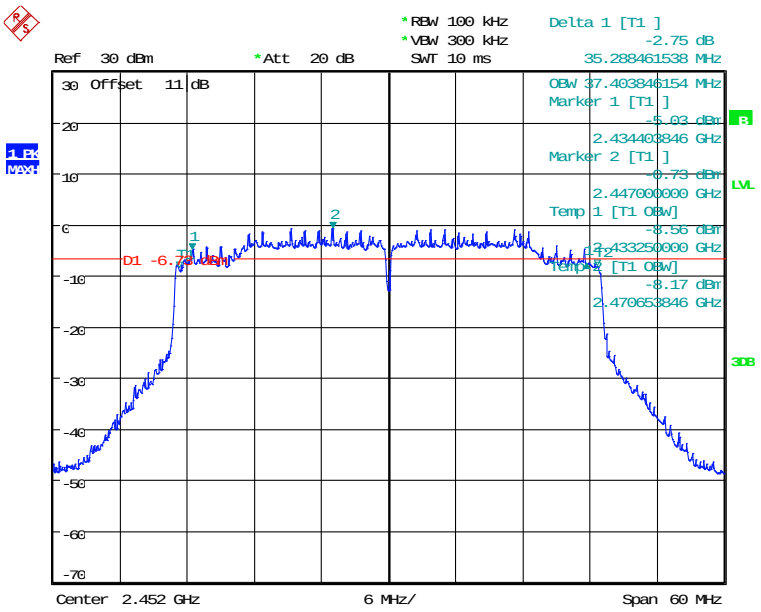


6DB BANDWIDTH 802.11AX 40MHZ CH01
Date: 24.OCT.2024 16:30:07



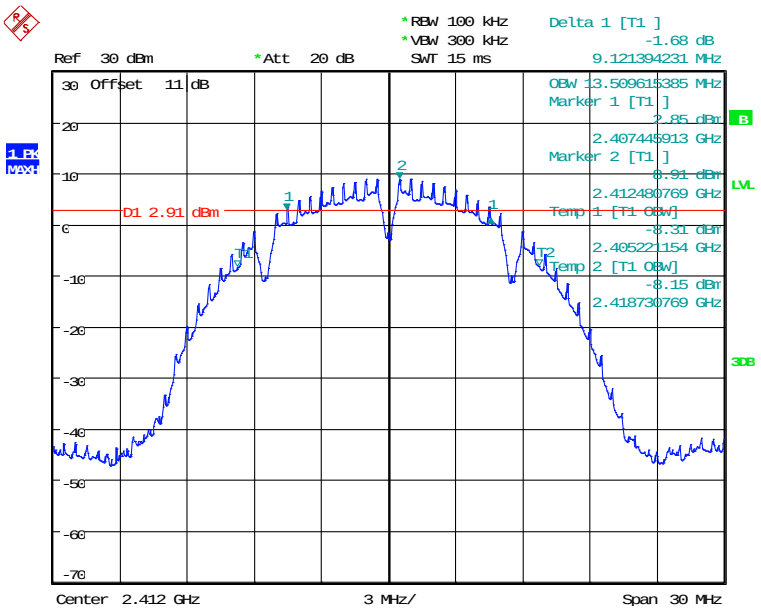
6DB BANDWIDTH 802.11AX 40MHZ CH04
Date: 24.OCT.2024 16:31:05

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15



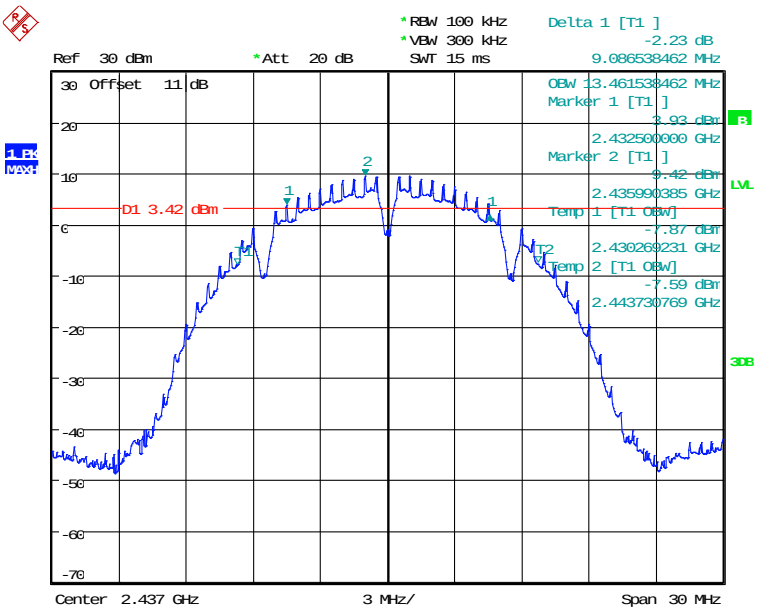
6DB BANDWIDTH 802.11AX 40MHZ CH07
Date: 24.OCT.2024 16:32:03

AUX antenna
802.11b

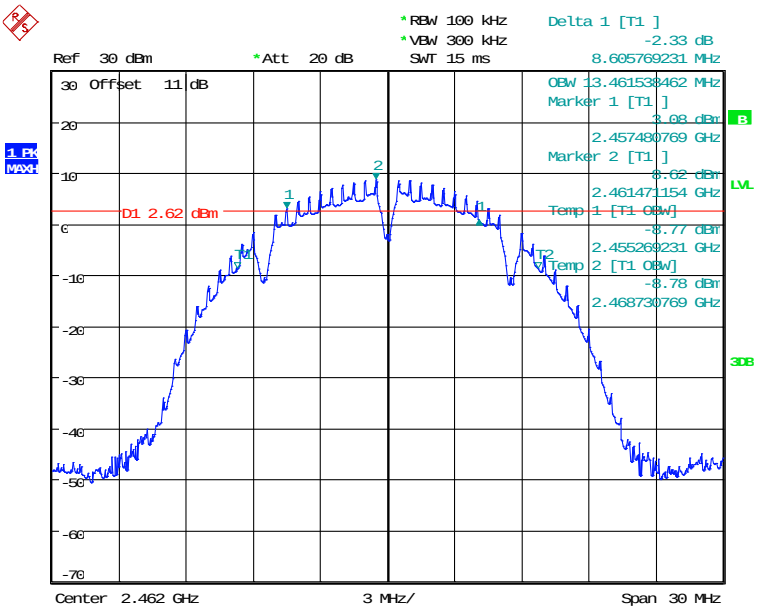


6DB BANDWIDTH 802.11B CH01
Date: 24.OCT.2024 16:06:20

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15

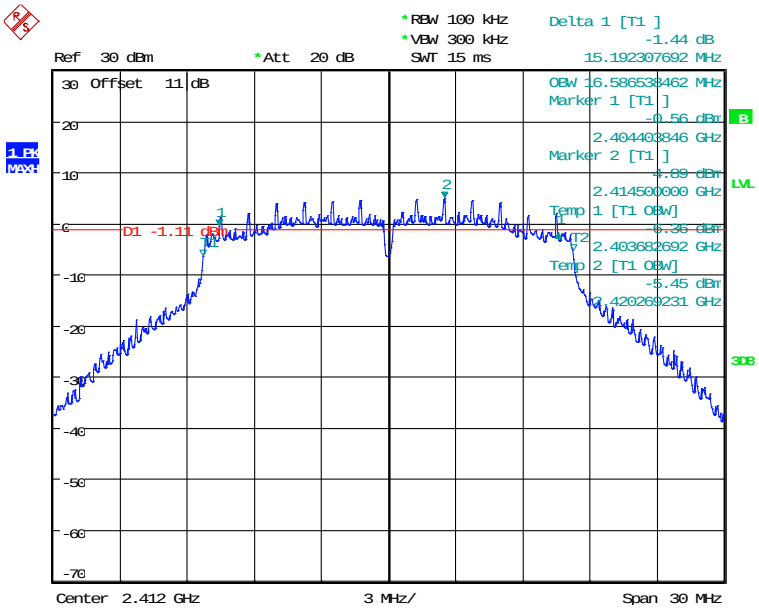


6DB BANDWIDTH 802.11B CH06
Date: 24.OCT.2024 16:07:22



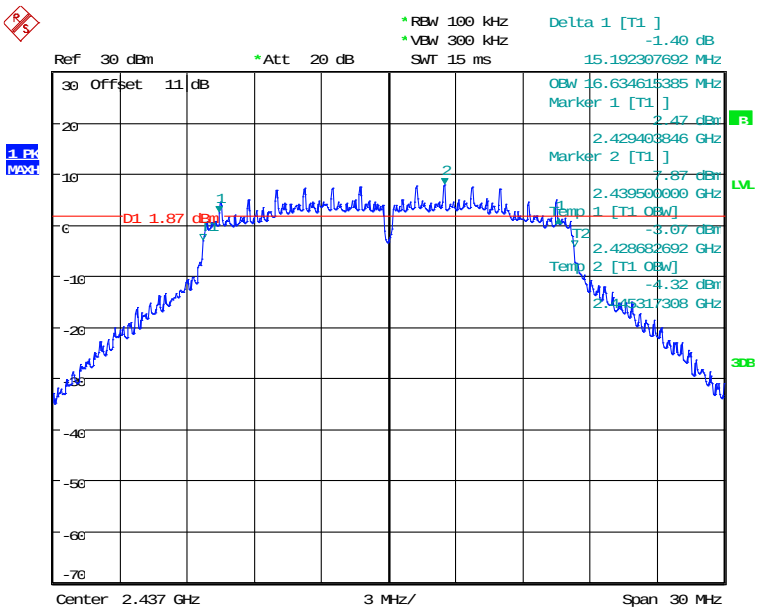
6DB BANDWIDTH 802.11B CH11
Date: 24.OCT.2024 16:08:37

802.11g



6DB BANDWIDTH 802.11G CH01

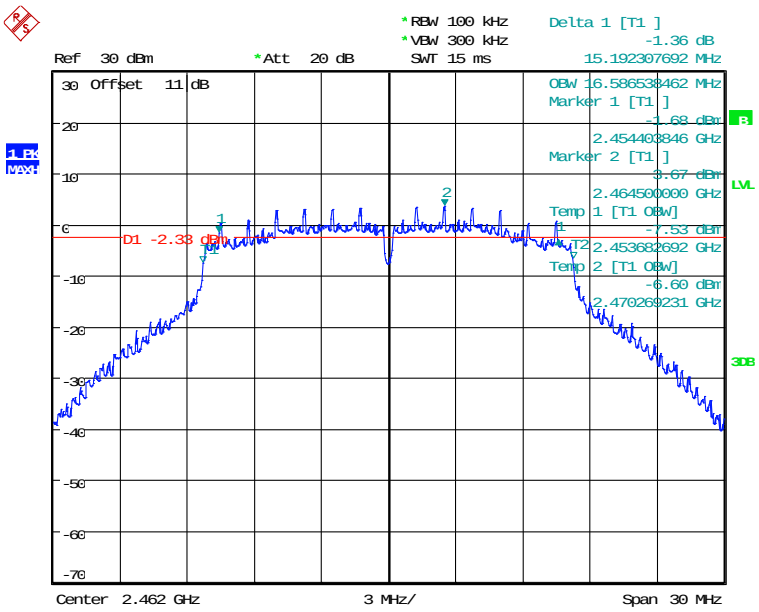
Date: 24.OCT.2024 16:12:36



6DB BANDWIDTH 802.11G CH06

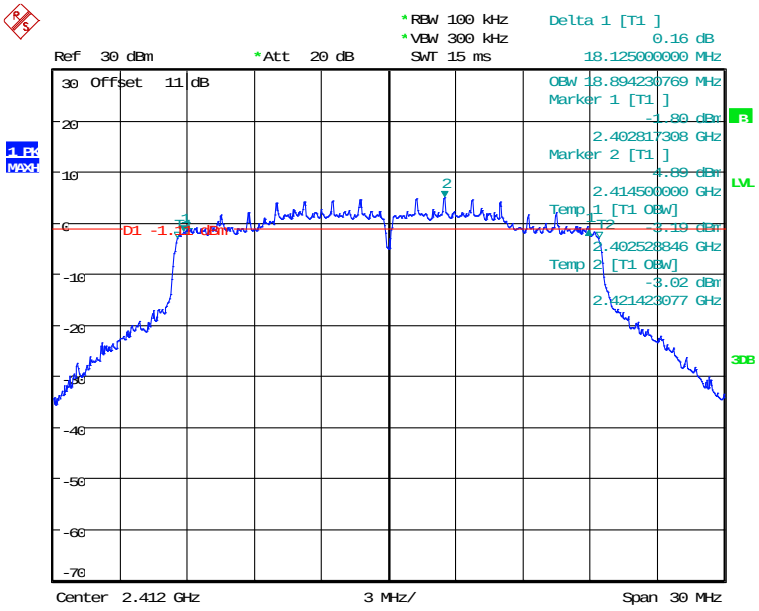
Date: 24.OCT.2024 16:11:29

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15



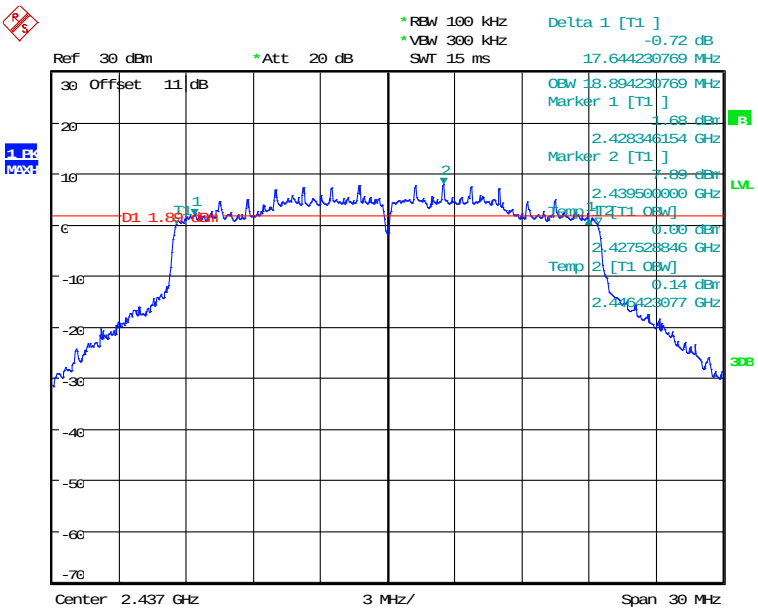
6DB BANDWIDTH 802.11G CH11
Date: 24.OCT.2024 16:10:10

802.11ax 20MHz

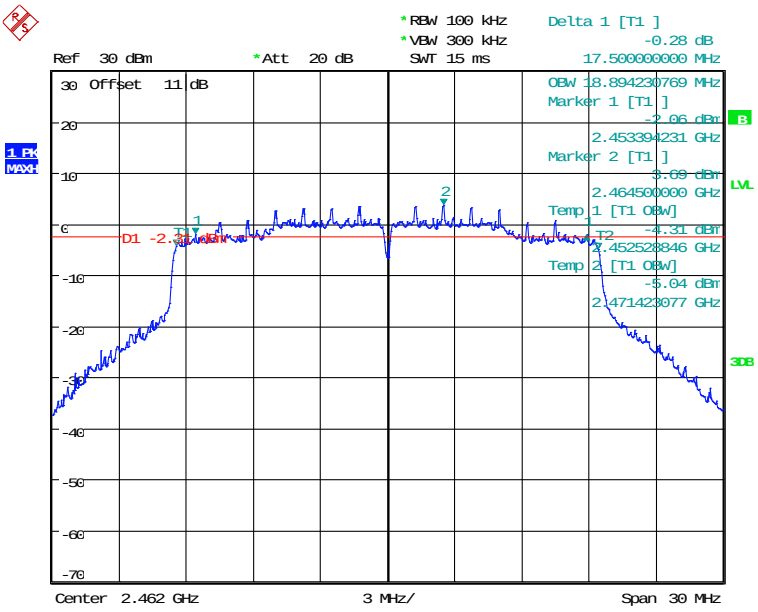


6DB BANDWIDTH 802.11AX 20MHZ CH01
Date: 24.OCT.2024 16:16:59

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15



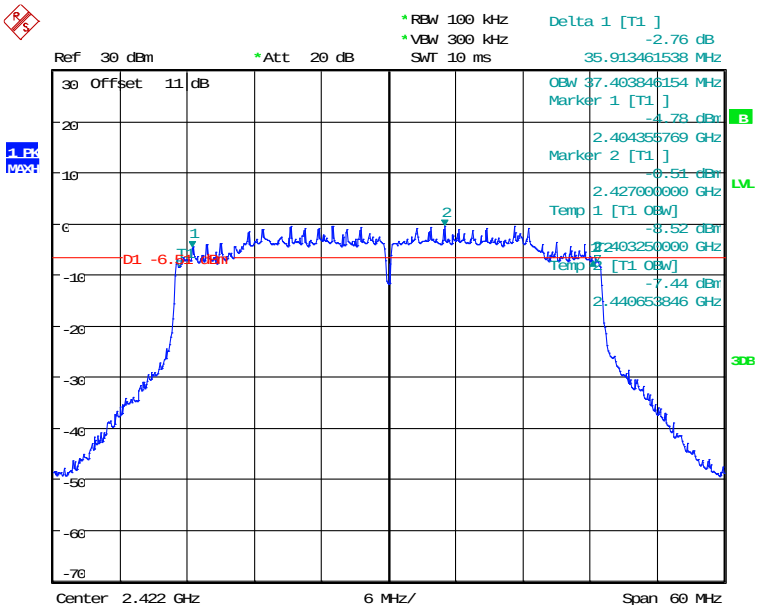
6DB BANDWIDTH 802.11AX 20MHZ CH06
Date: 24.OCT.2024 16:18:47



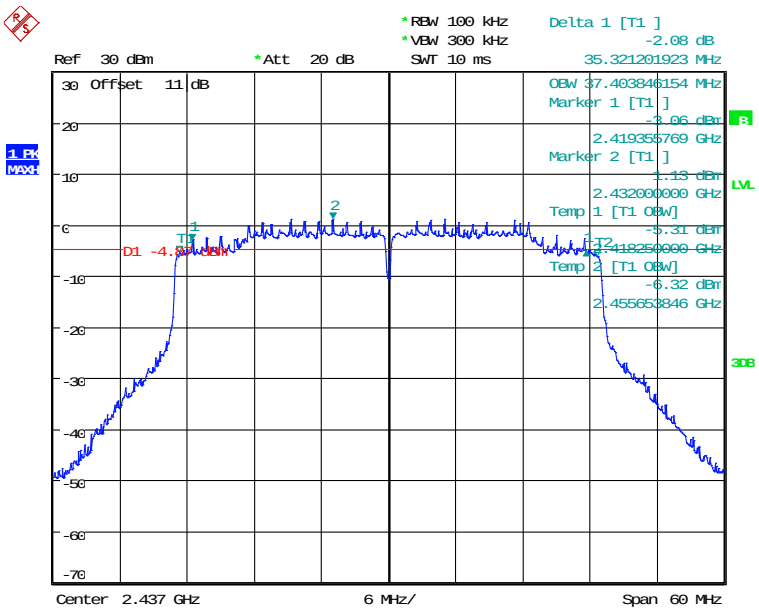
6DB BANDWIDTH 802.11AX 20MHZ CH11
Date: 24.OCT.2024 16:20:01

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15

802.11ax 40MHz

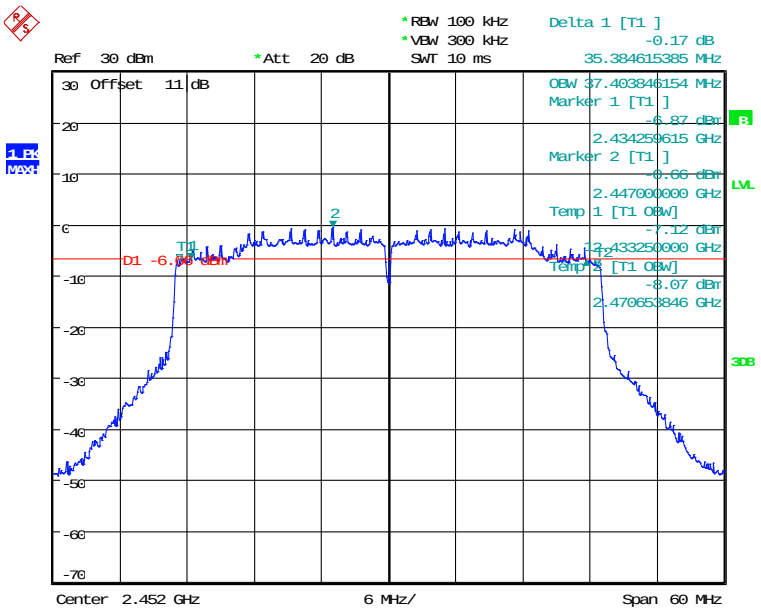


6DB BANDWIDTH 802.11AX 40MHZ CH01
Date: 24.OCT.2024 16:26:14



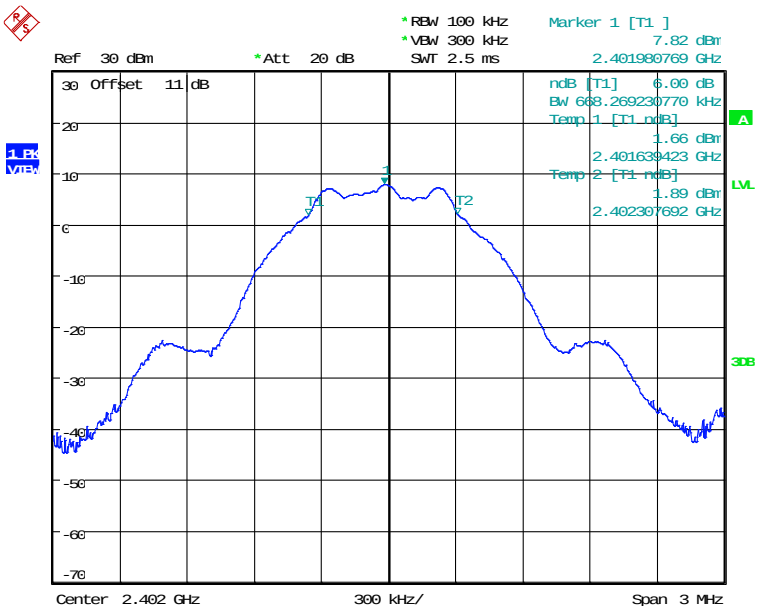
6DB BANDWIDTH 802.11AX 40MHZ CH04
Date: 24.OCT.2024 16:25:15

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15



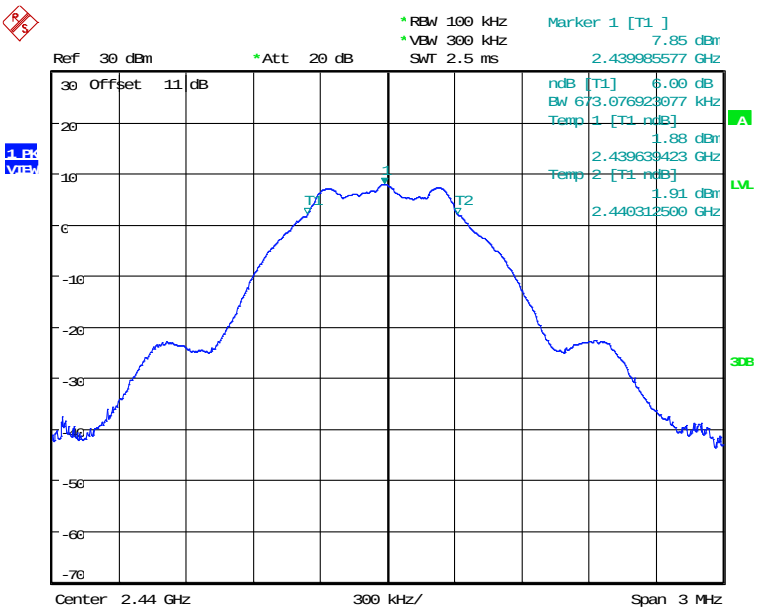
6DB BANDWIDTH 802.11AX 40MHZ CH07
Date: 24.OCT.2024 16:22:59

Low energy
1M

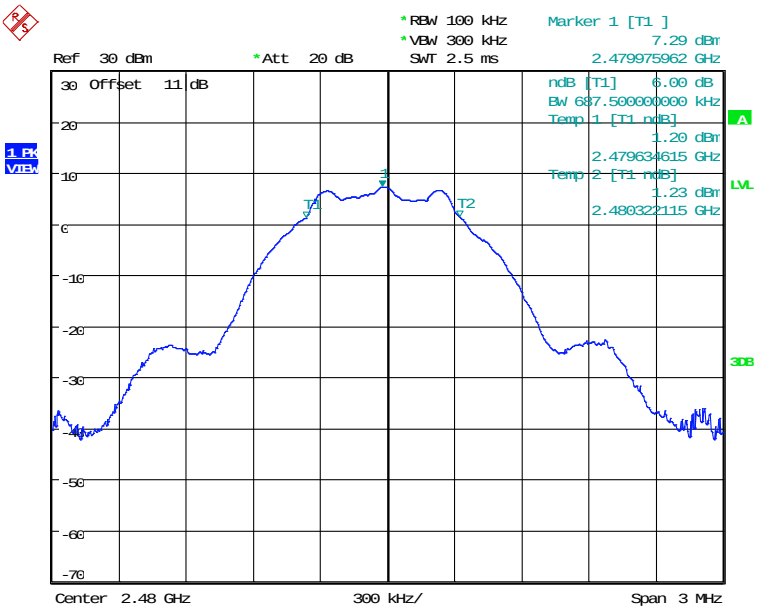


6DB BANDWIDTH BLE 1M CH00
Date: 23.OCT.2024 18:00:45

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15



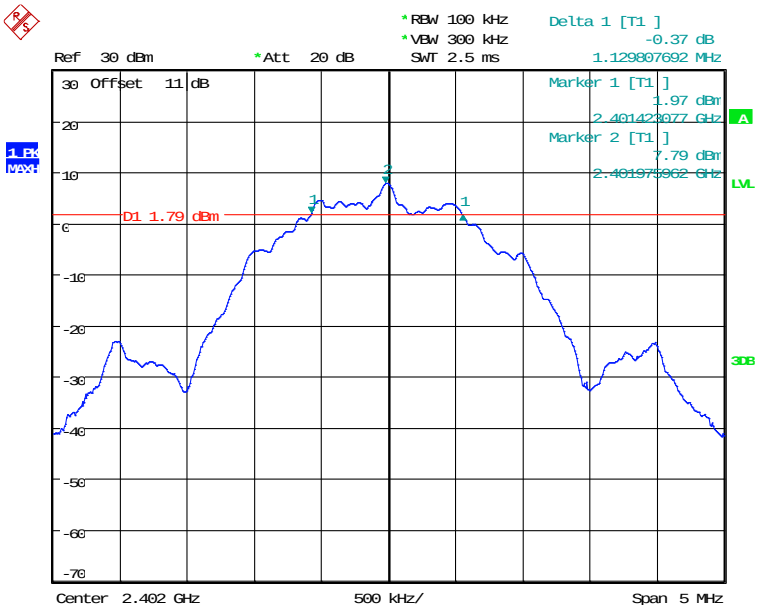
6DB BANDWIDTH BLE 1M CH19
Date: 23.OCT.2024 18:01:33



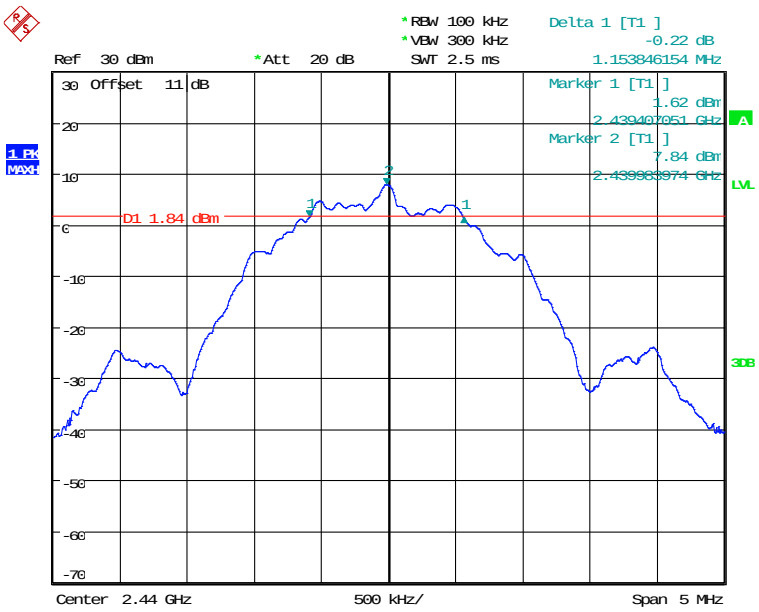
6DB BANDWIDTH BLE 1M CH39
Date: 23.OCT.2024 18:02:13

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15

2M

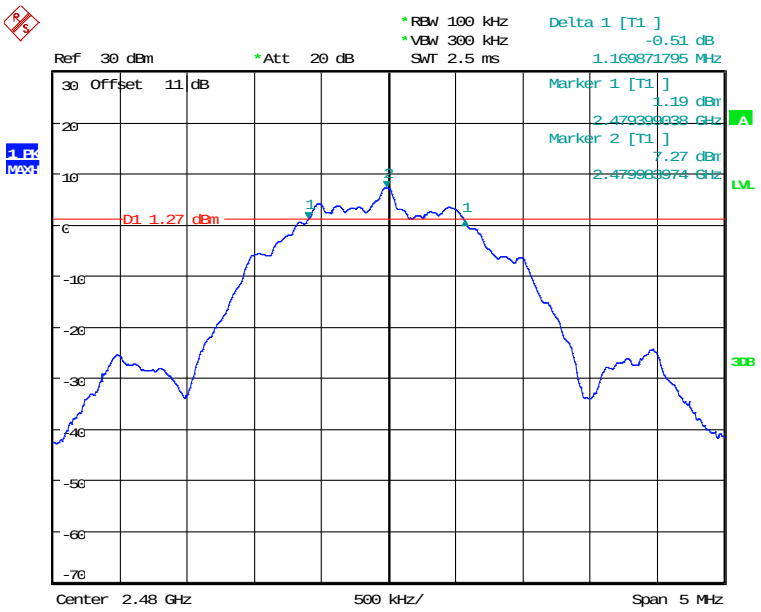


6DB BANDWIDTH BLE 2M CH00
Date: 23.OCT.2024 18:10:14



6DB BANDWIDTH BLE 2M CH19
Date: 23.OCT.2024 18:12:05

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15



6DB BANDWIDTH BLE 2M CH39
Date: 23.OCT.2024 18:13:17

Limits:

Frequency Range MHz	**Limits**
902-928	min 500 kHz
2400-2483.5	min 500 kHz
5725-5850	min 500 kHz

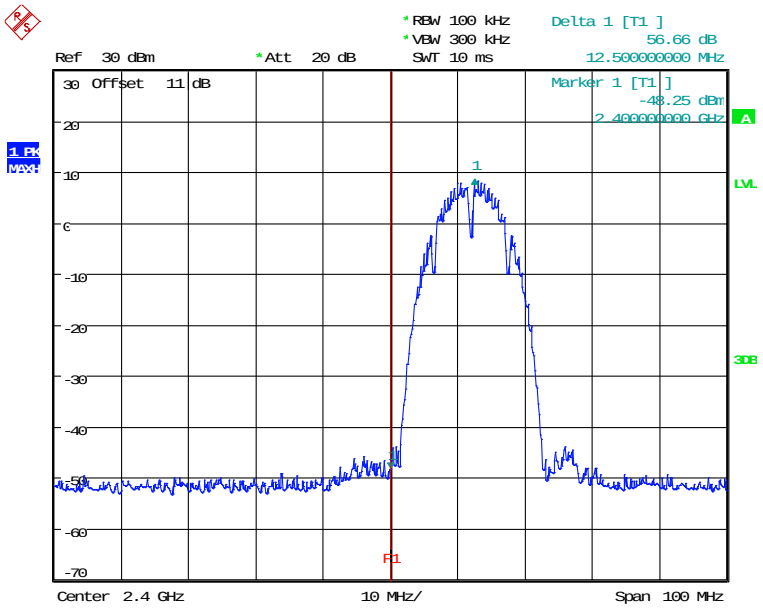
3.9 Radiated Emission on the band edge

According to FCC rules part 15 subpart C §15.247(c) in any 100 kHz bandwidth outside the frequency band in which the intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in § 15.209(a) is not required.

In addition radiated emission which fall in the restricted bands, as defined in section 15.205(a), must also with the radiated emission limits.

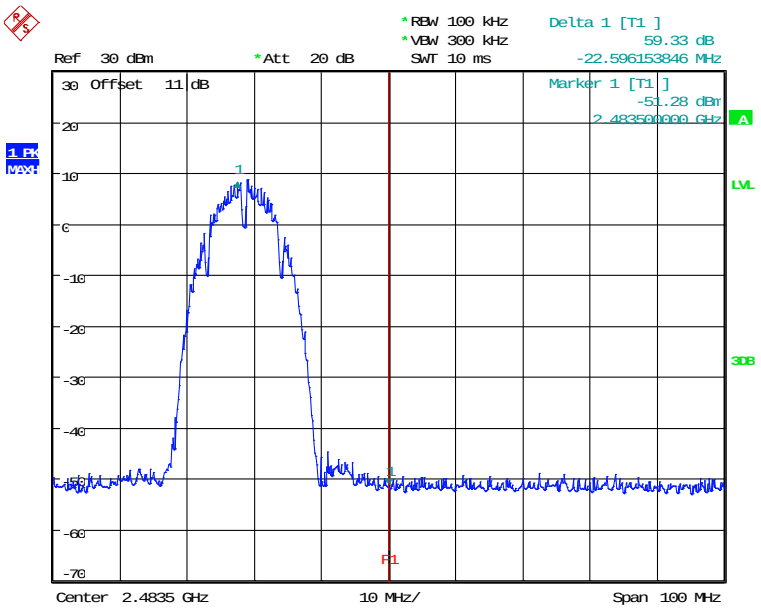
Test date: October 23, 2024-October 24, 2024
Temperature: 24.4˚C
Humidity: 56.3%
Tester: Ken

MAIN antenna
802.11b



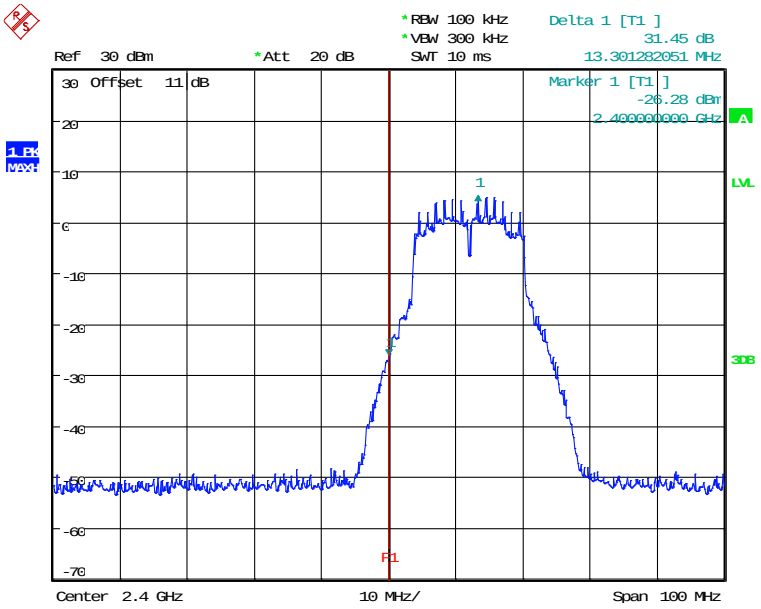
BANDEDGE 802.11B CH01
Date: 23.OCT.2024 18:30:58

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15



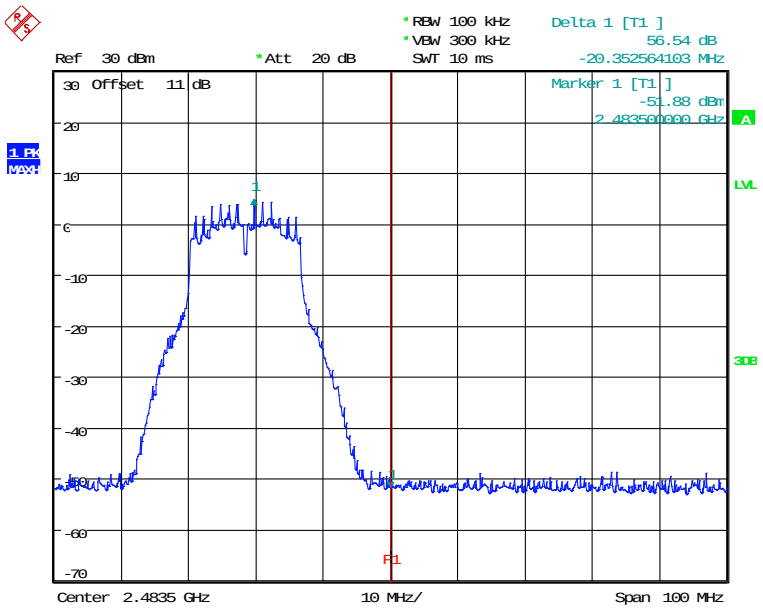
BANDEDGE 802.11B CH11
Date: 23.OCT.2024 18:32:42

802.11g



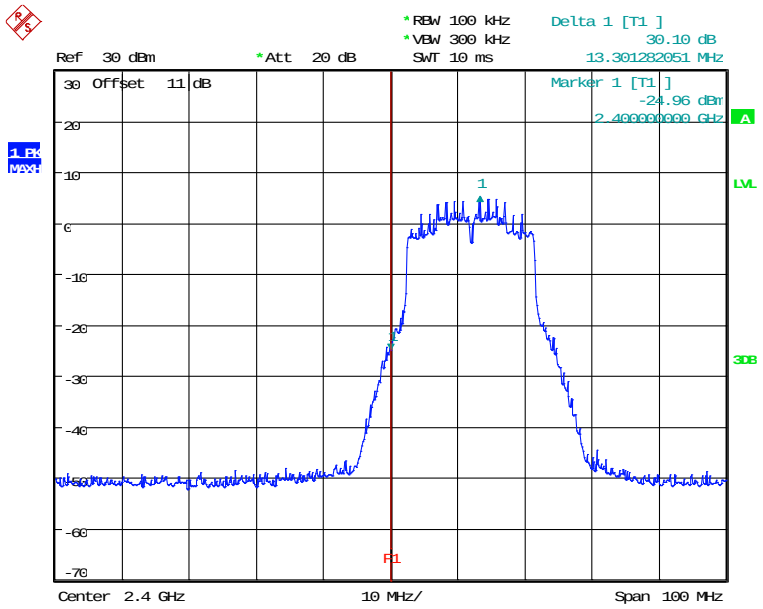
BANDEDGE 802.11G CH01
Date: 23.OCT.2024 18:35:30

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15



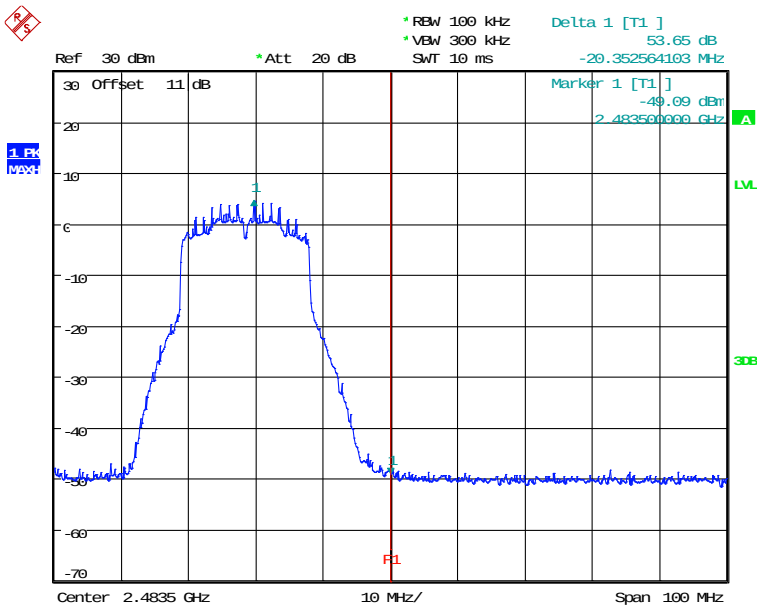
BANDEDGE 802.11G CH11
Date: 23.OCT.2024 18:39:00

802.11ax 20MHz



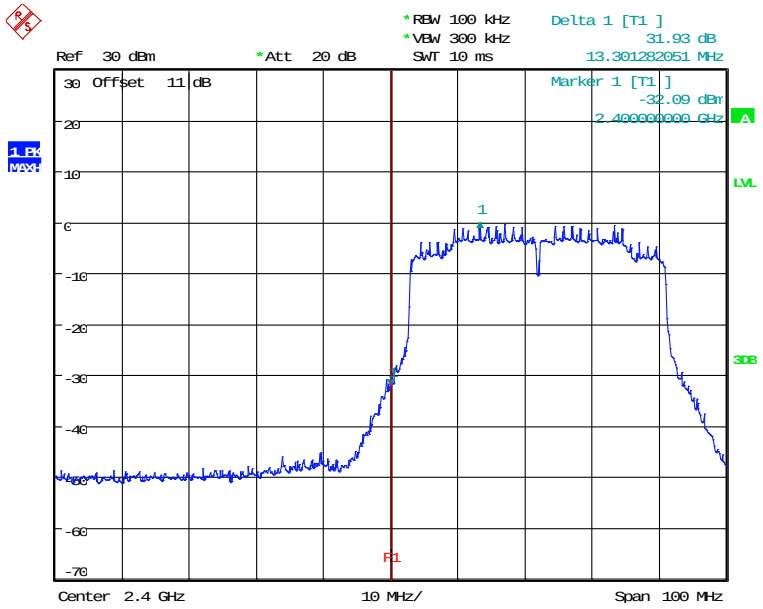
BANDEDGE 802.11AX 20MHZ CH01
Date: 24.OCT.2024 11:26:59

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15



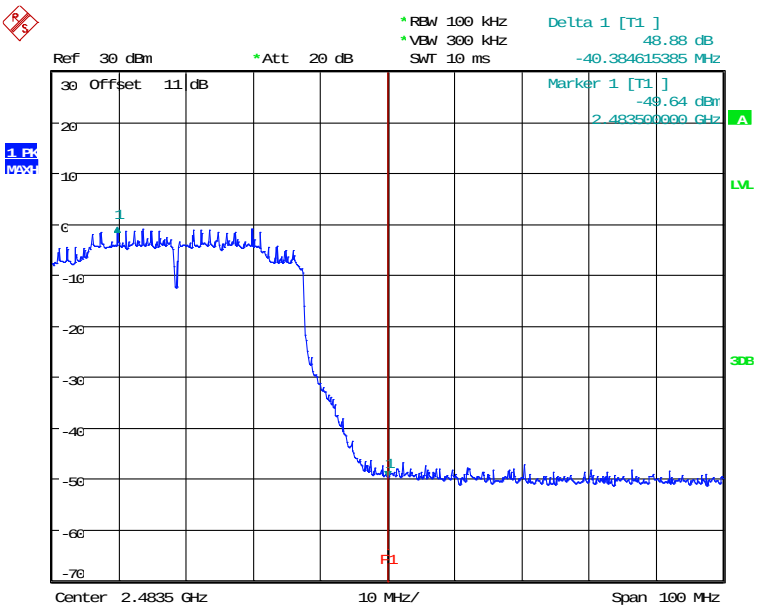
BANDEDGE 802.11AX 20MHZ CH11
Date: 24.OCT.2024 11:28:54

802.11ax 40MHz



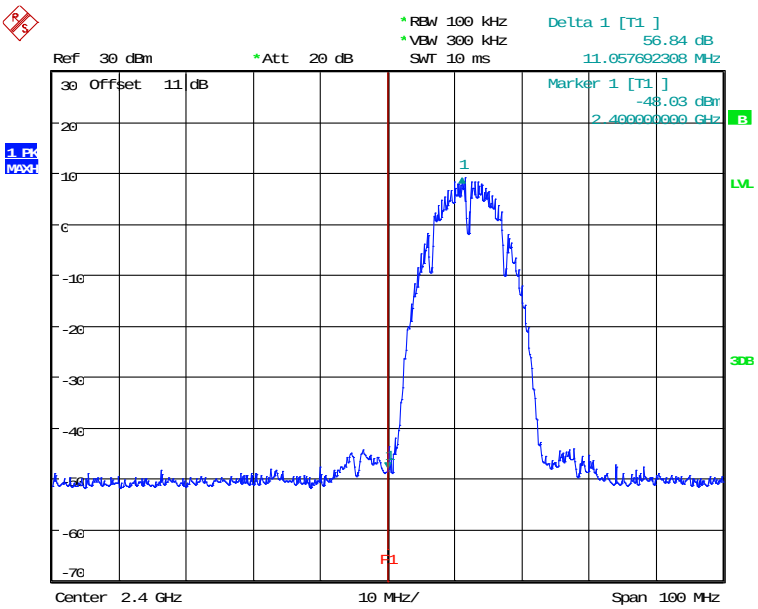
BANDEDGE 802.11AX 40MHZ CH01
Date: 24.OCT.2024 11:21:27

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15



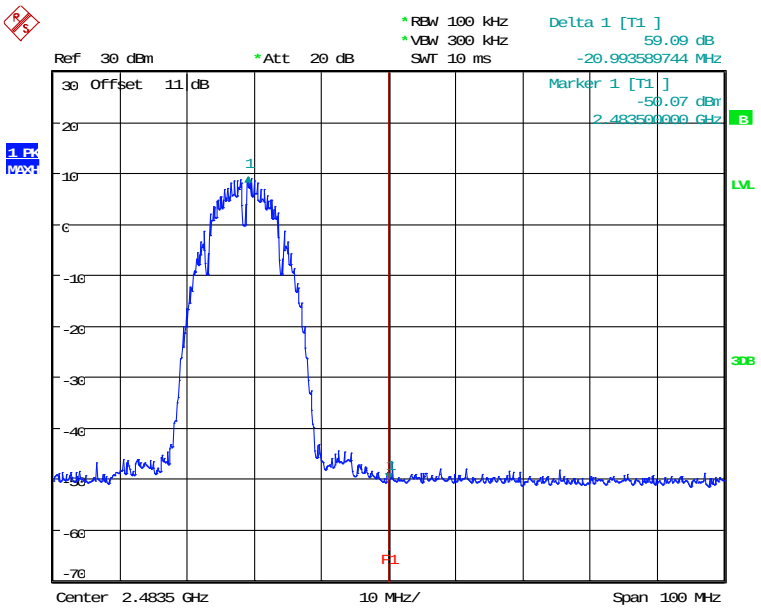
BANDEDGE 802.11AX 40MHZ CH07
Date: 24.OCT.2024 11:29:51

AUX antenna
802.11b



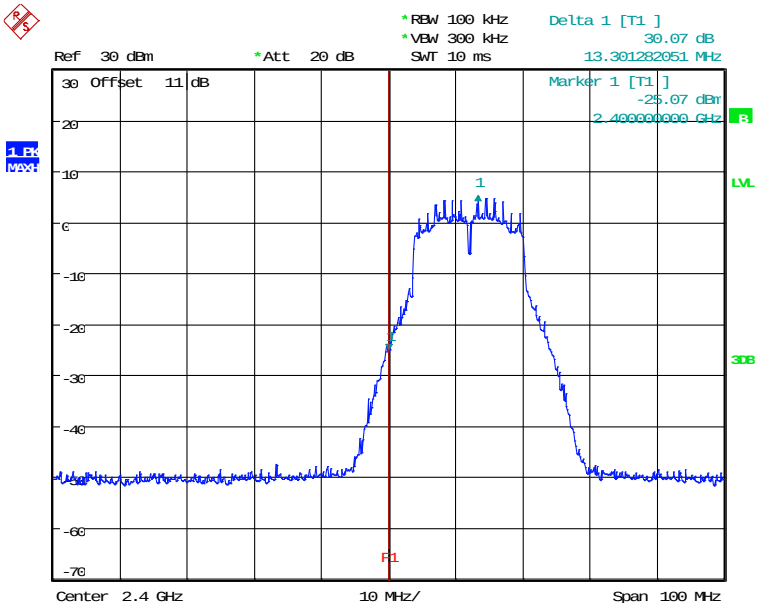
BANDEDGE 802.11B CH01
Date: 24.OCT.2024 16:51:14

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15



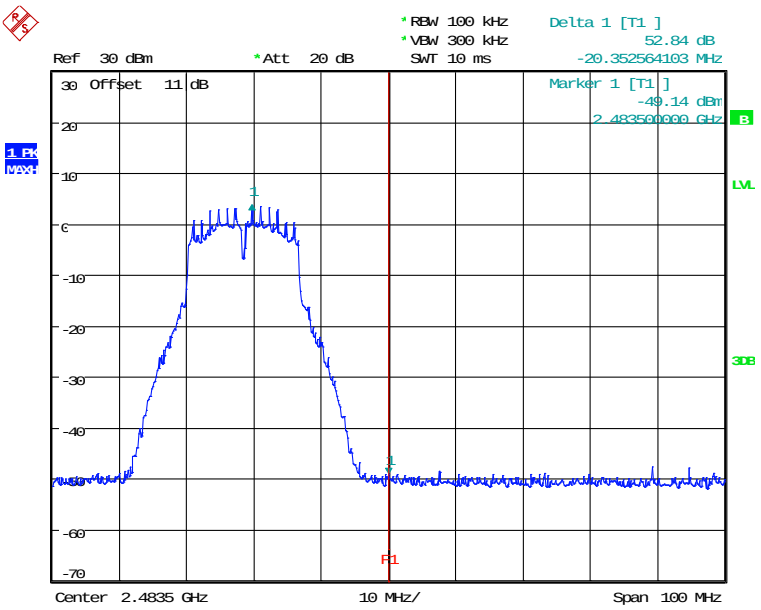
BANDEDGE 802.11B CH11
Date: 24.OCT.2024 16:49:19

802.11g



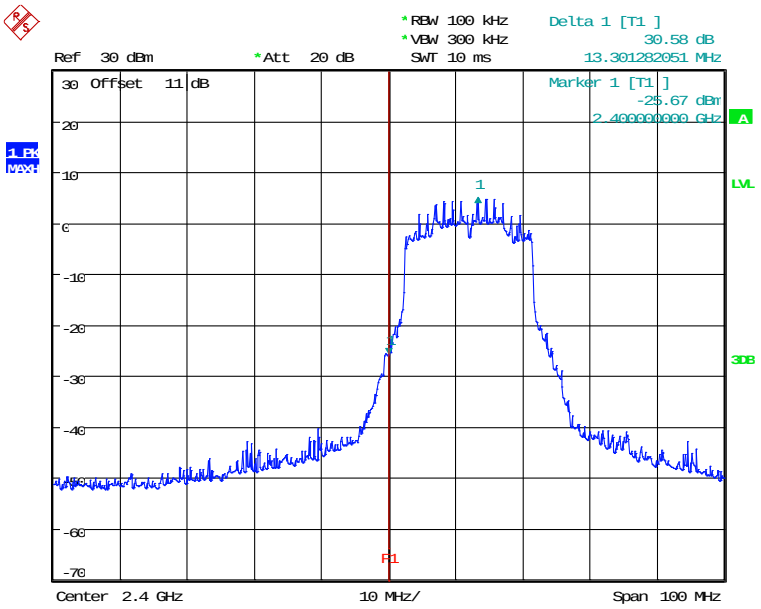
BANDEDGE 802.11G CH01
Date: 24.OCT.2024 16:50:42

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15



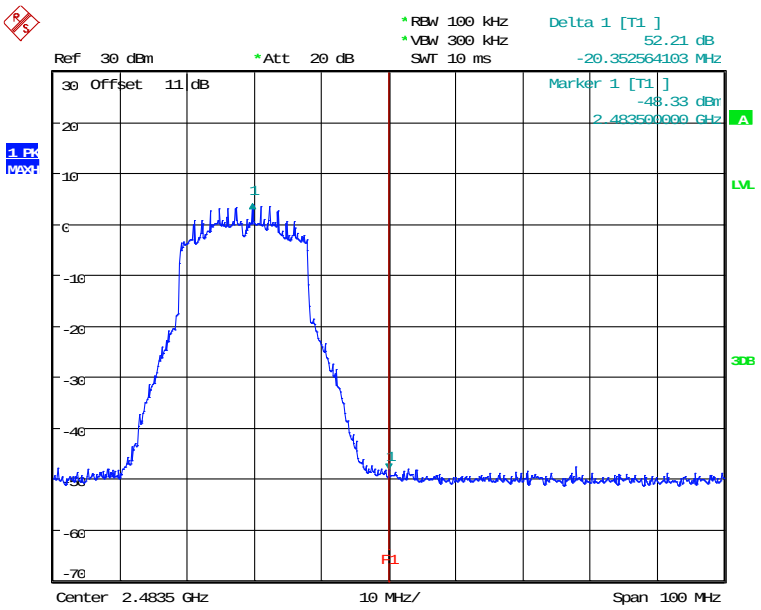
BANDEDGE 802.11G CH11
Date: 24.OCT.2024 16:49:54

802.11ax 20MHz



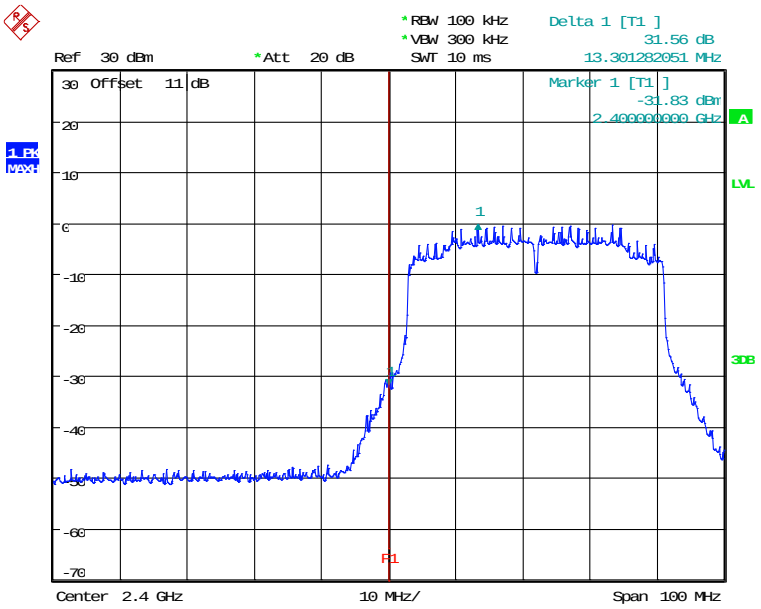
BANDEDGE 802.11AX 20MHZ CH01
Date: 24.OCT.2024 13:12:07

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15



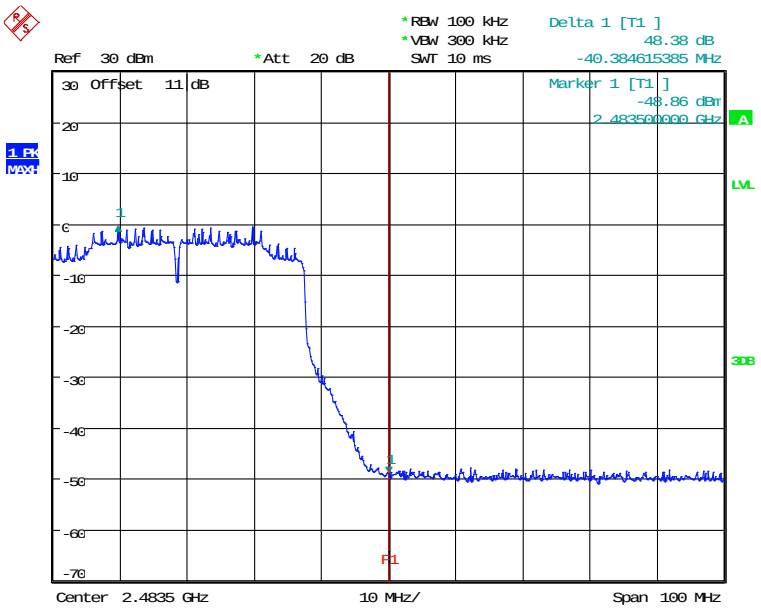
BANDEDGE 802.11AX 20MHZ CH11
Date: 24.OCT.2024 13:14:36

802.11ax 40MHz



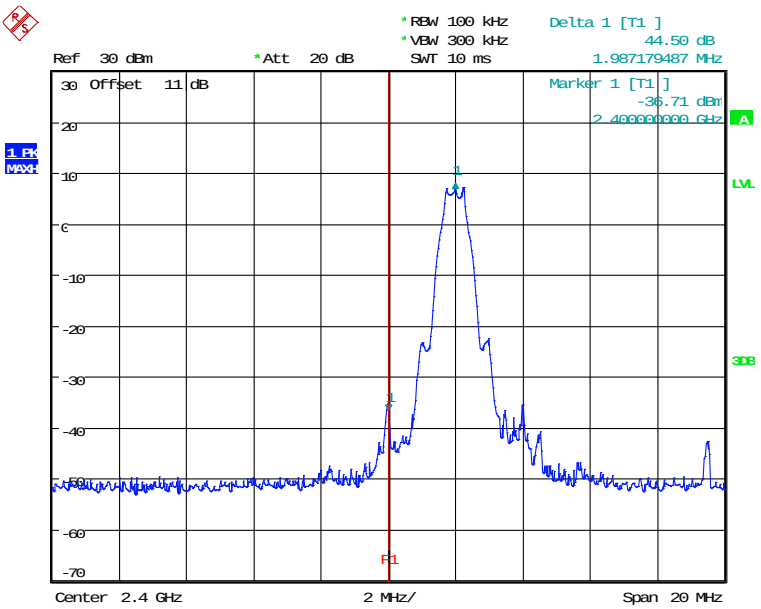
BANDEDGE 802.11AX 40MHZ CH01
Date: 24.OCT.2024 12:20:54

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15



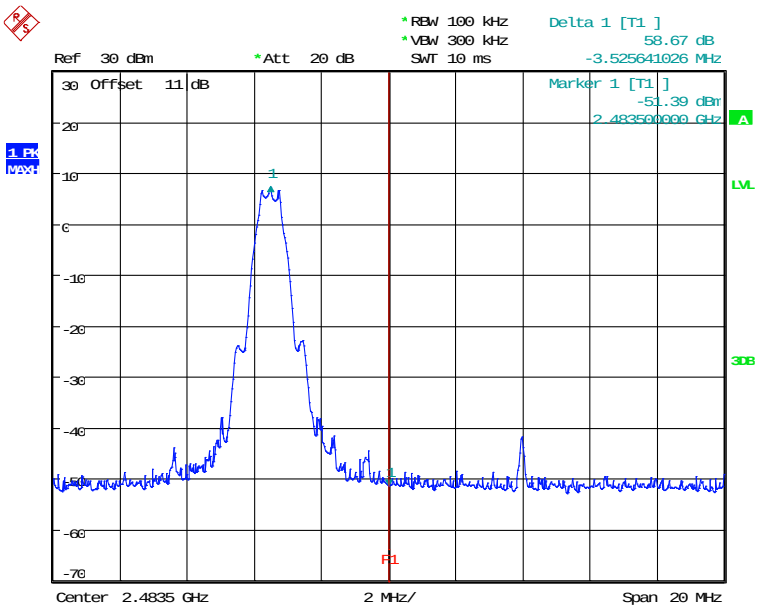
BANDEDGE 802.11AX 40MHZ CH07
Date: 24.OCT.2024 13:17:24

Low energy
1M



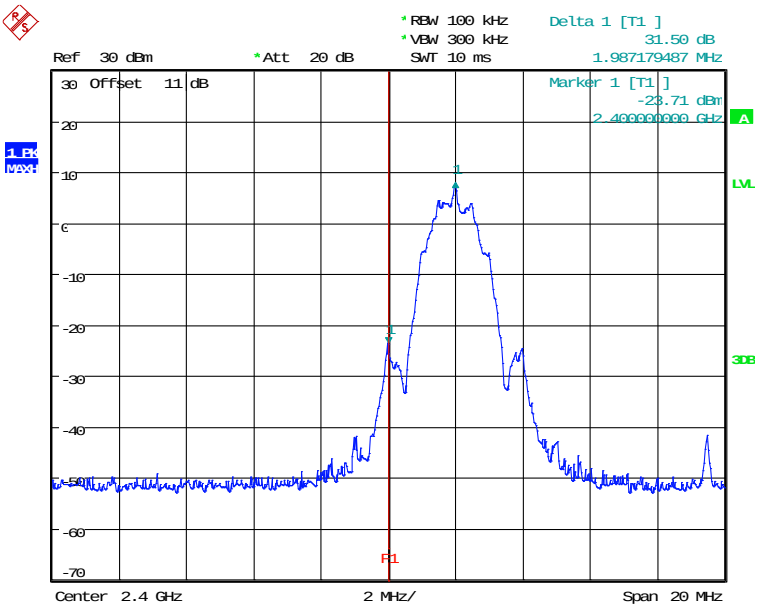
BANDEDGE BLE 1M CH00
Date: 23.OCT.2024 18:01:03

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15



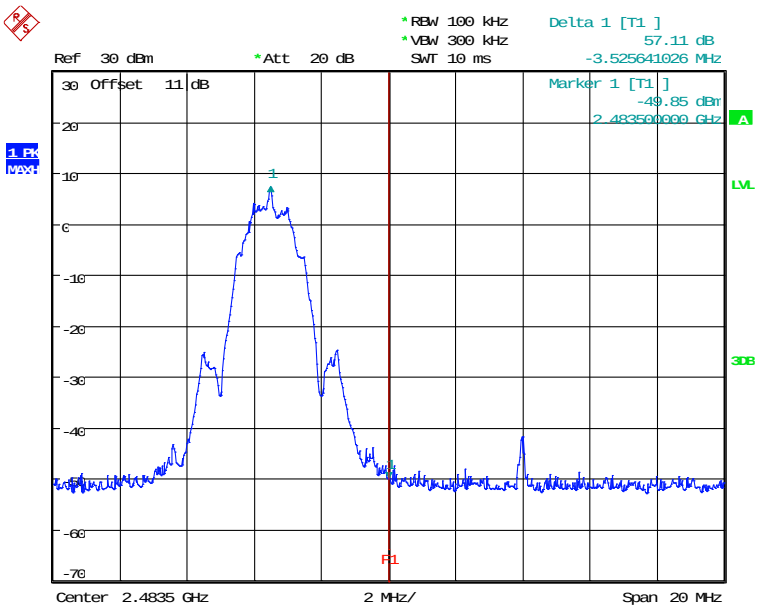
BANDEDGE BLE 1M CH39
Date: 23.OCT.2024 18:02:33

2M



BANDEDGE BLE 2M CH00
Date: 23.OCT.2024 18:03:49

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15



BANDEDGE BLE 2M CH39
Date: 23.OCT.2024 18:05:19

Limit:

Frequency Range / MHz	Limit
902 –928 2400 – 2483.5 5725 - 5850	- 20 dB

3.10 Peak Power Spectral Density

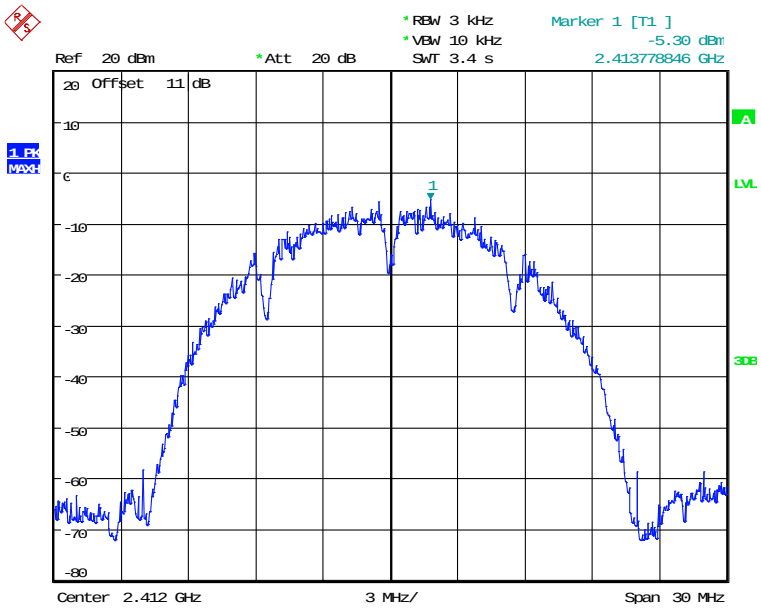
Peak Power Spectral density is a measured at low, middle and high channel.
The peak output power is measured with a measurement bandwidth of 10 MHz and displayed on diagram together with Peak Power Spectral Density result which was measured with a bandwidth of 3 kHz, appreciate frequency span and sweep time.

Test date: October 23, 2024-October 24, 2024
Temperature: 24.4˚C
Humidity: 56.3%
Tester: Ken

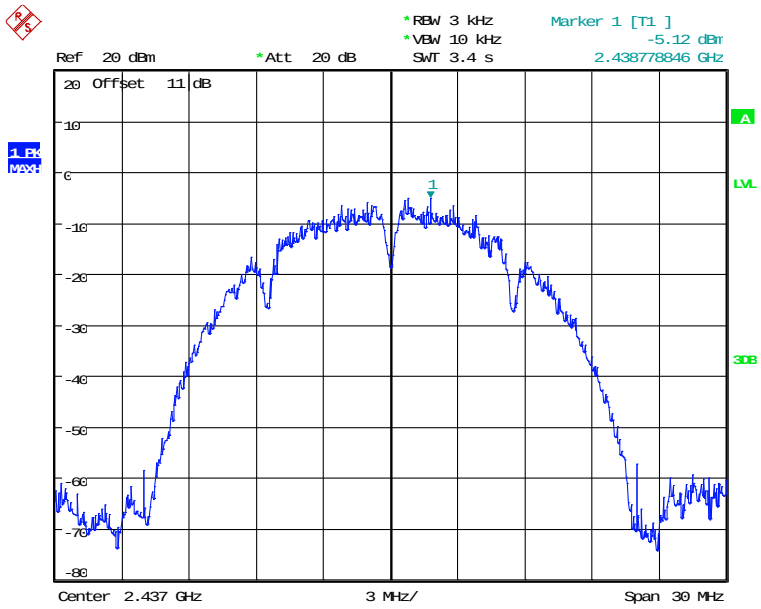
Band	Mode	Channel	RU(AX)	Antenna 1 (dBm)	Antenna 2 (dBm)	Combine (dBm)	Limit (dBm)
2.4GHz	802.11b	Ch 1 : 2412 MHz	-	-5.30	-5.70	-	8.00
		Ch 6 : 2437 MHz	-	-5.12	-4.89	-	8.00
		Ch 11 : 2462 MHz	-	-5.79	-5.47	-	8.00
	802.11g	Ch 1 : 2412 MHz	-	-11.55	-9.44	-	8.00
		Ch 6 : 2437 MHz	-	-7.88	-6.88	-	8.00
		Ch 11 : 2462 MHz	-	-11.10	-11.59	-	8.00
	802.11ax 20MHz	Ch 1 : 2412 MHz	worst case	-1.66	-0.35	2.05	8.00
		Ch 6 : 2437 MHz	worst case	-8.15	-7.60	-4.86	8.00
		Ch 11 : 2462 MHz	worst case	-0.92	-1.72	1.71	8.00
	802.11ax 40MHz	Ch 1 : 2422 MHz	worst case	-1.49	-1.81	1.36	8.00
		Ch 4 : 2437 MHz	worst case	-0.93	0.21	2.69	8.00
		Ch 7 : 2452 MHz	worst case	-1.23	-2.48	1.20	8.00

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15

MAIN antenna
802.11b

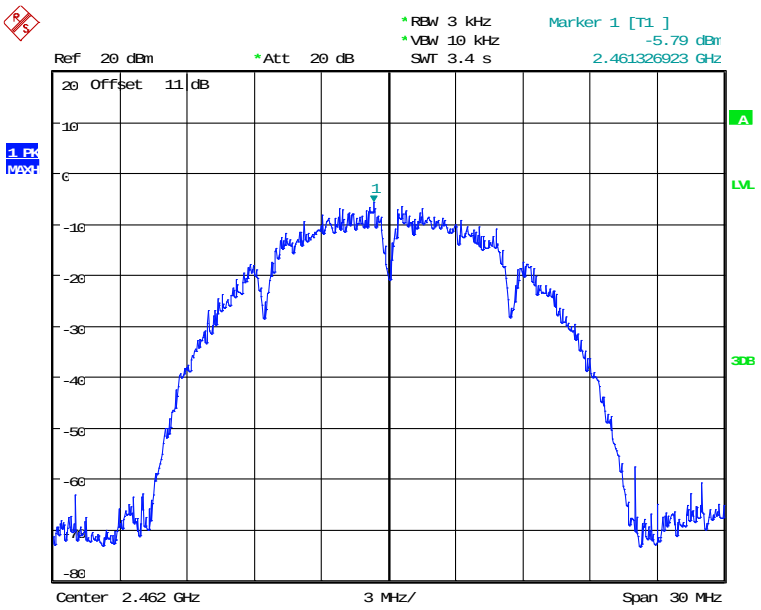


POWER DENSITY 802.11B CH01
Date: 23.OCT.2024 18:30:54



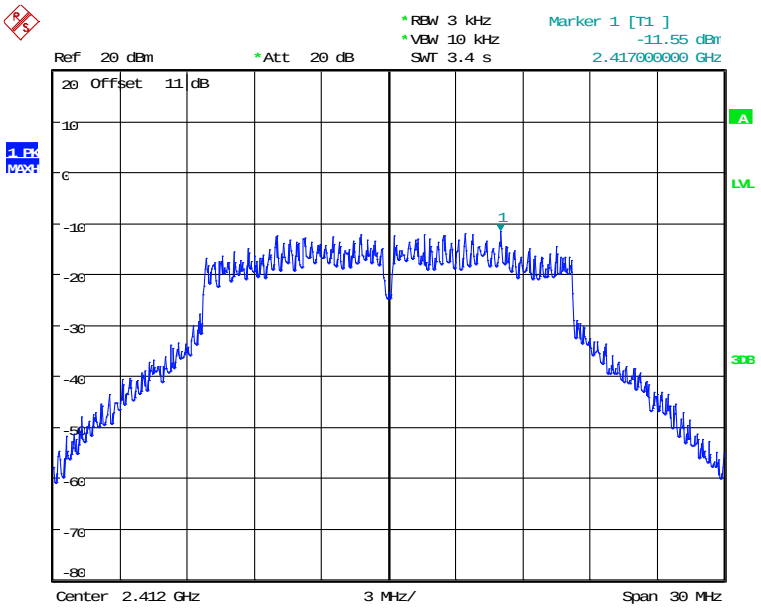
POWER DENSITY 802.11B CH06
Date: 23.OCT.2024 18:31:50

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15



POWER DENSITY 802.11B CH11
Date: 23.OCT.2024 18:32:38

802.11g



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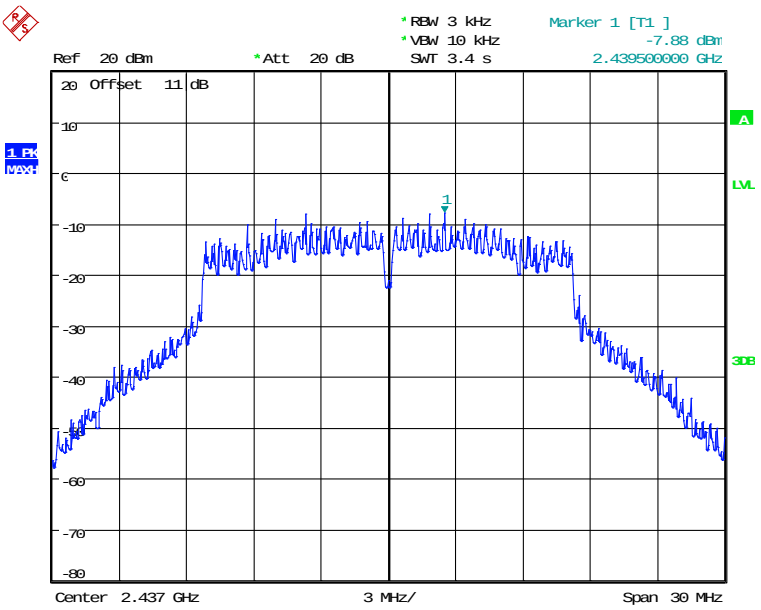
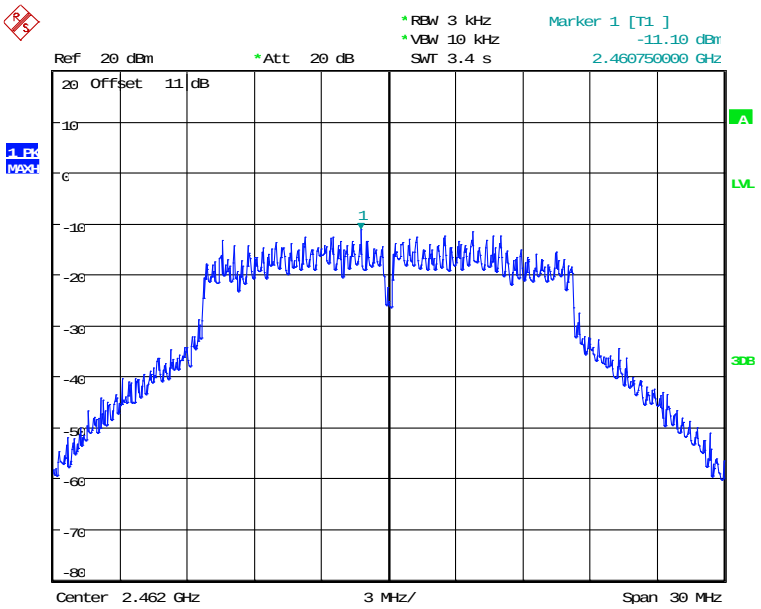
Date: 23.OCT.2024 18:35:26



POWER DENSITY 802.11G CH06
Date: 23.OCT.2024 18:38:06



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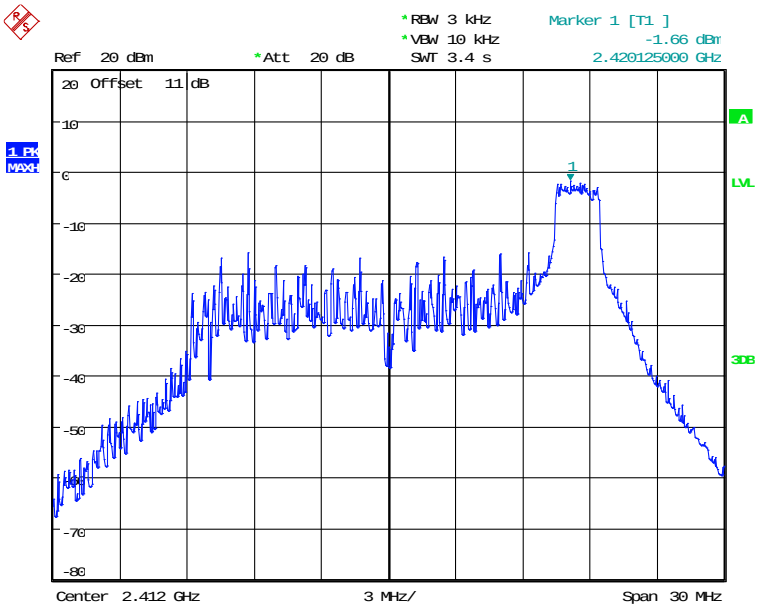
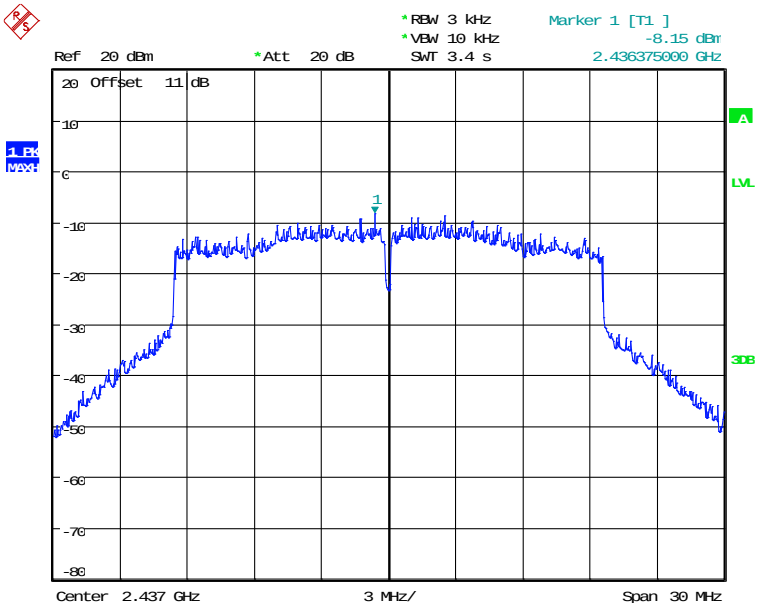
Date: 23.OCT.2024 18:38:56

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15

802.11ax 20MHz

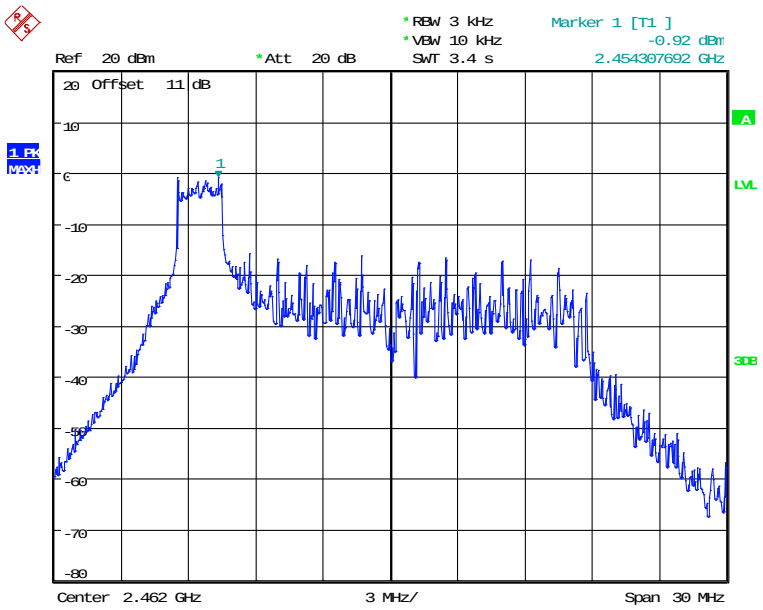


POWER DENSITY 802.11AX 20MHZ CH01 26RU9
Date: 24.OCT.2024 11:37:03



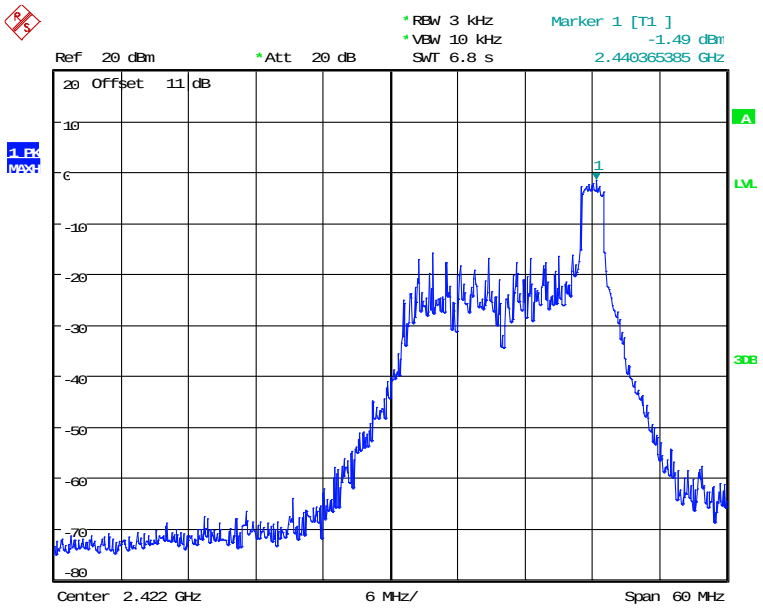
POWER DENSITY 802.11AX 20MHZ CH06 242RU1
Date: 24.OCT.2024 11:38:27

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15



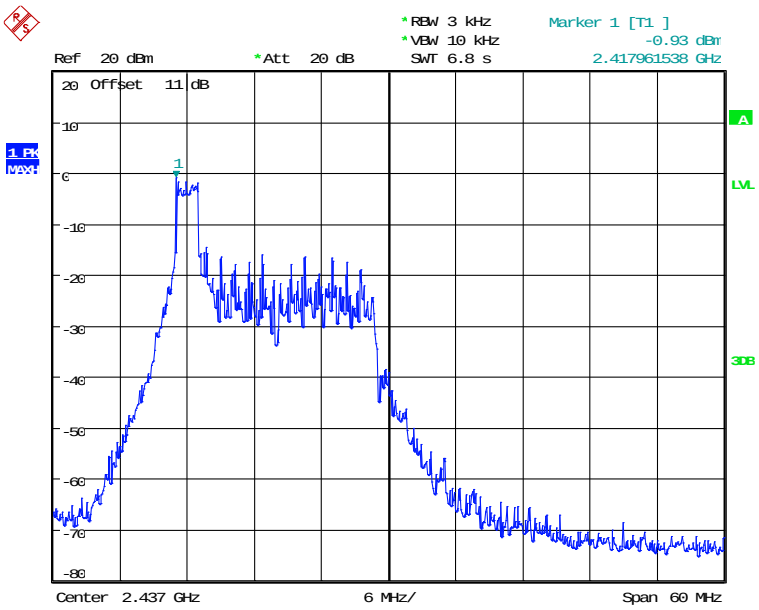
POWER DENSITY 802.11AX 20MHZ CH11 26RU1
Date: 24.OCT.2024 11:39:26

802.11ax 40MHz

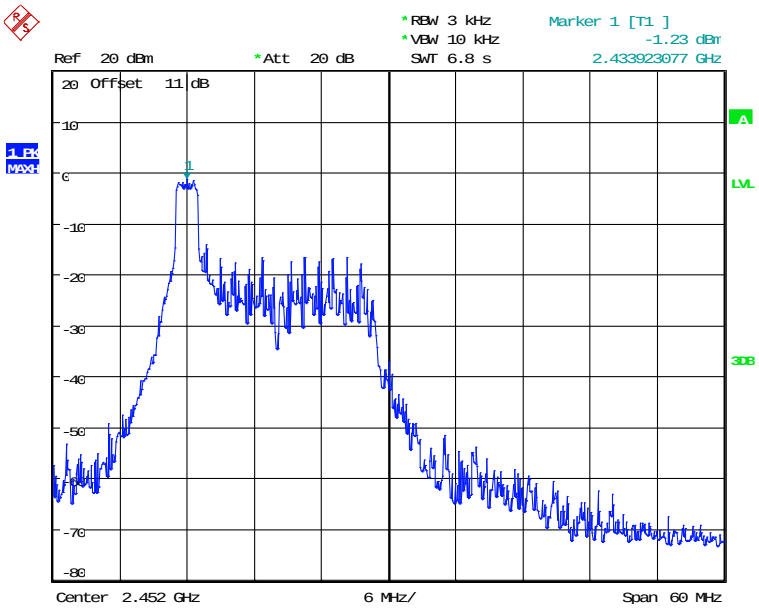


POWER DENSITY 802.11AX 40MHZ CH01 26RU18
Date: 24.OCT.2024 11:35:25

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15



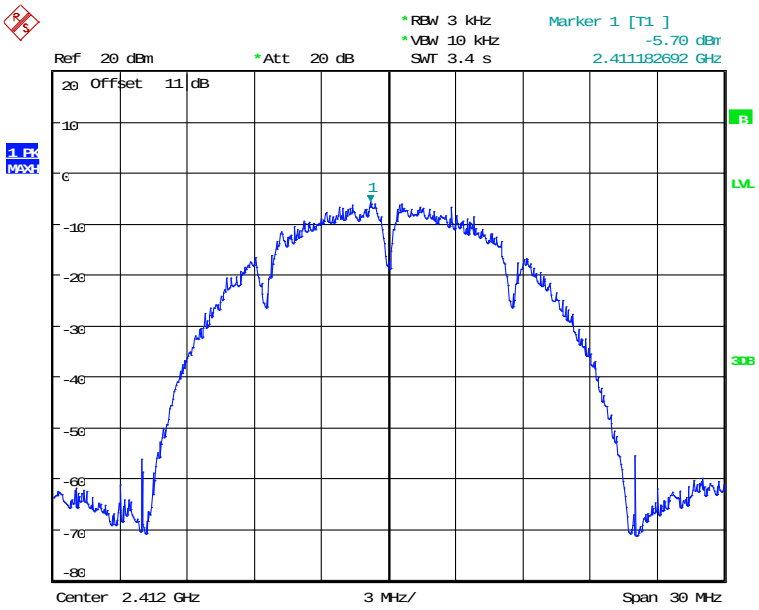
POWER DENSITY 802.11AX 40MHZ CH04 26RU1
Date: 24.OCT.2024 11:34:37



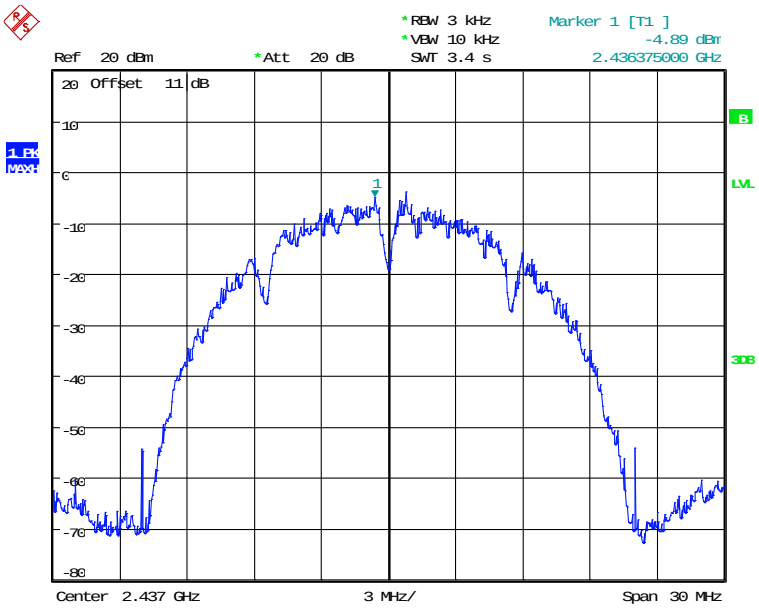
POWER DENSITY 802.11AX 40MHZ CH07 26RU1
Date: 24.OCT.2024 11:33:47

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15

AUX antenna
802.11b

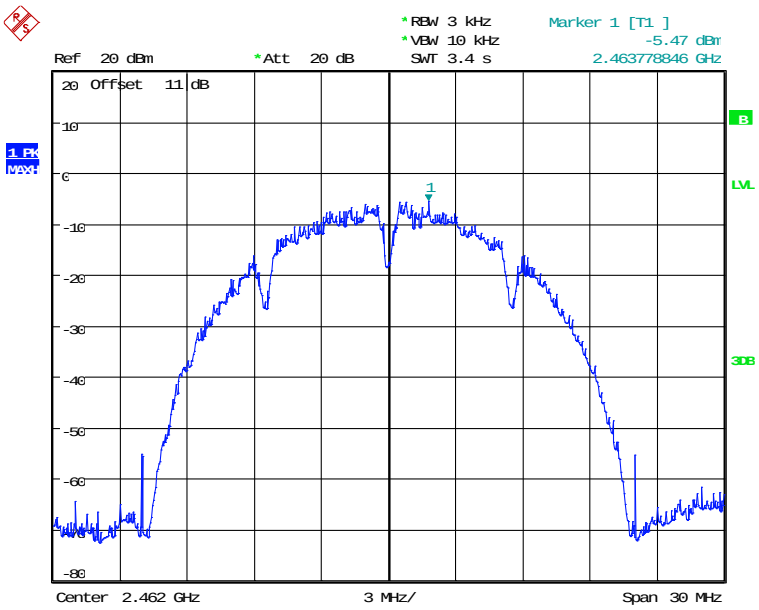


POWER DENSITY 802.11B CH01
Date: 24.OCT.2024 16:54:45



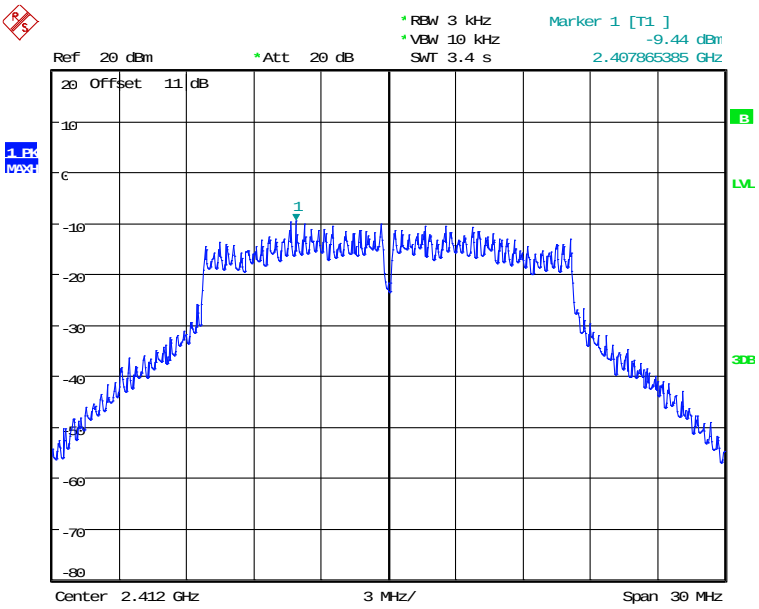
POWER DENSITY 802.11B CH06
Date: 24.OCT.2024 16:55:23

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15



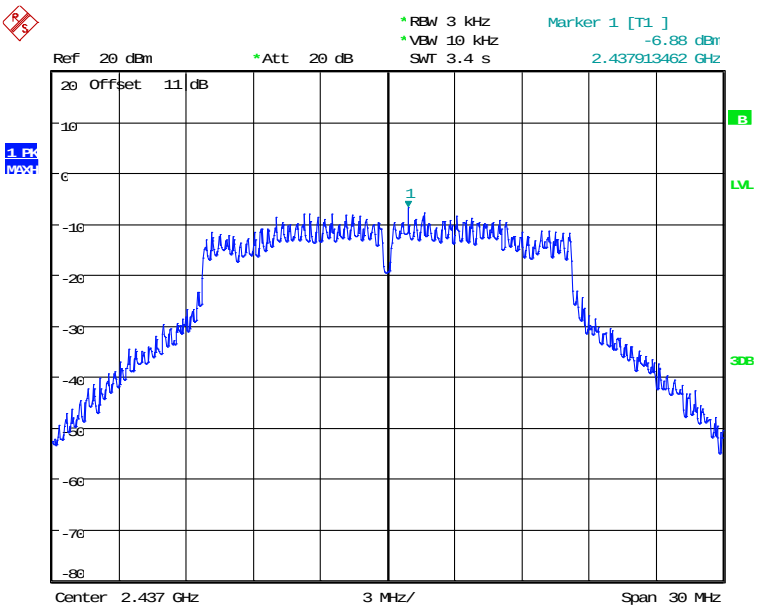
POWER DENSITY 802.11B CH11
Date: 24.OCT.2024 16:55:58

802.11g

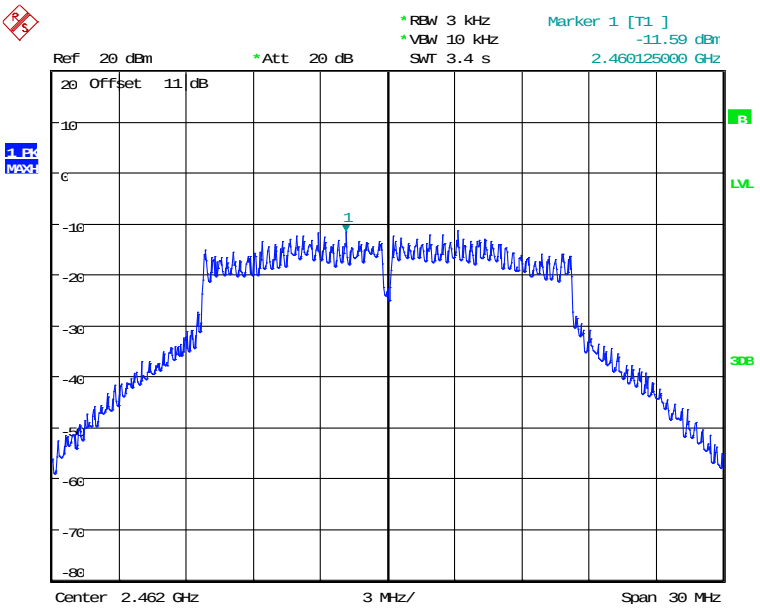


POWER DENSITY 802.11G CH01
Date: 24.OCT.2024 16:58:01

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15



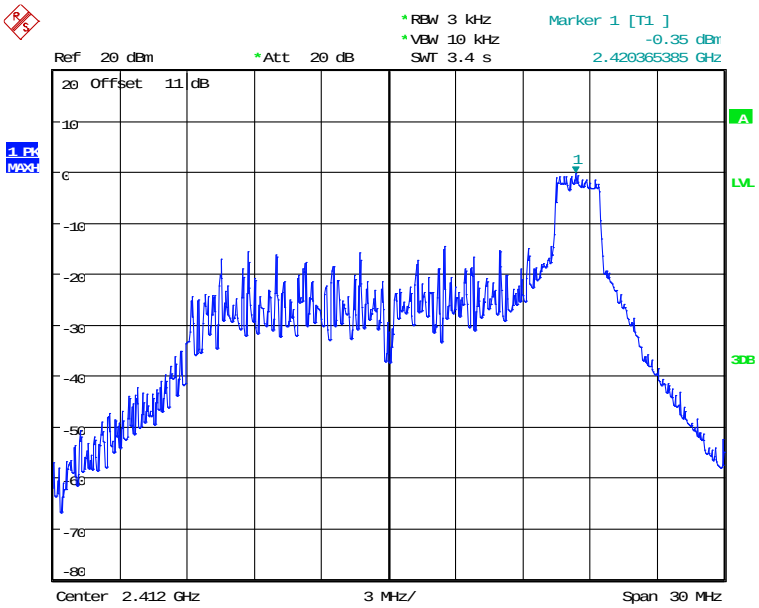
POWER DENSITY 802.11G CH06
Date: 24.OCT.2024 16:57:19



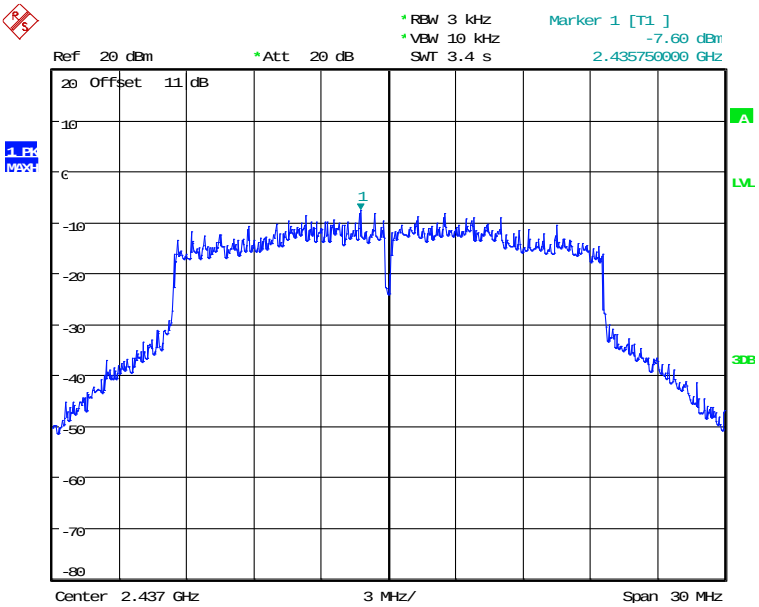
POWER DENSITY 802.11G CH11
Date: 24.OCT.2024 16:56:39

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15

802.11ax 20MHz

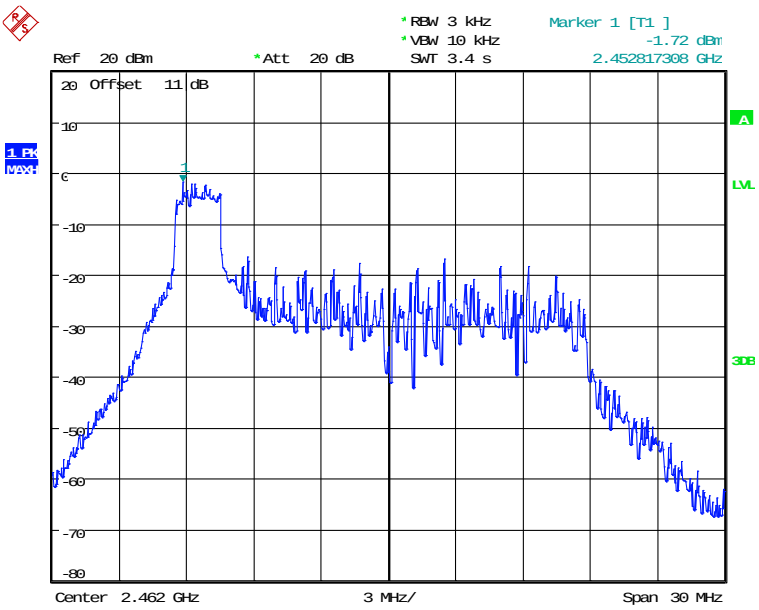


POWER DENSITY 802.11AX 20MHZ CH01 26RU9
Date: 24.OCT.2024 13:33:14



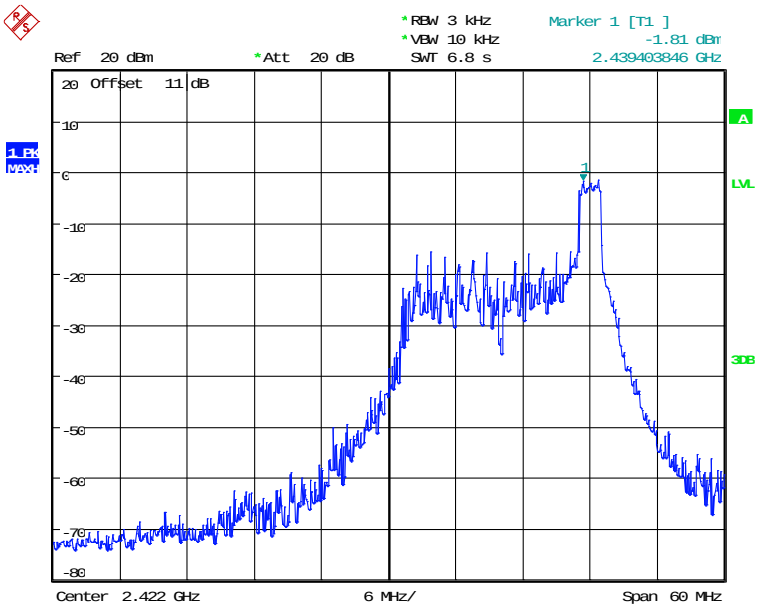
POWER DENSITY 802.11AX 20MHZ CH06 242RU1
Date: 24.OCT.2024 13:34:25

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15



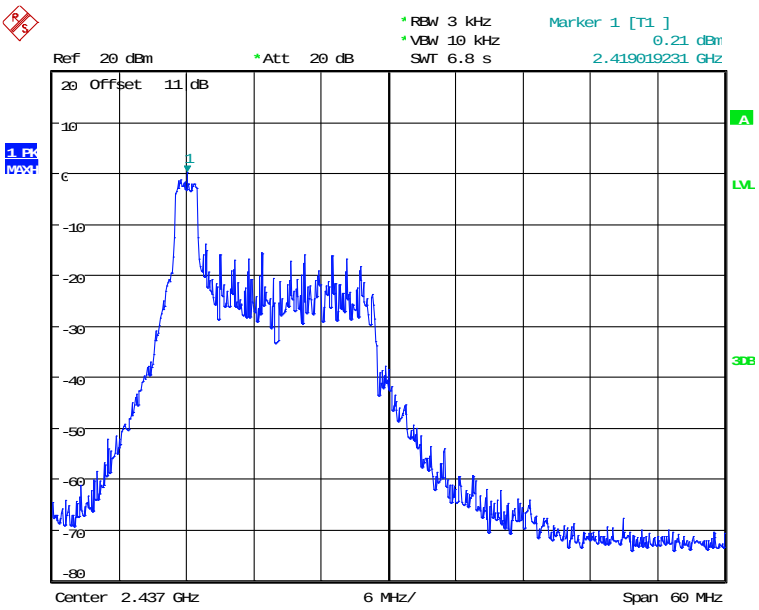
POWER DENSITY 802.11AX 20MHZ CH11 26RU1
Date: 24.OCT.2024 13:35:24

802.11ax 40MHz

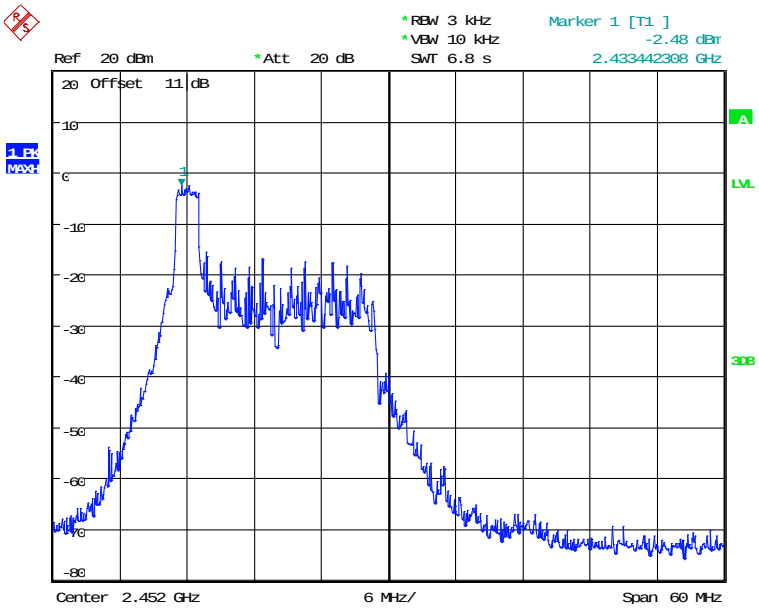


POWER DENSITY 802.11AX 40MHZ CH01 26RU18
Date: 24.OCT.2024 13:38:09

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15



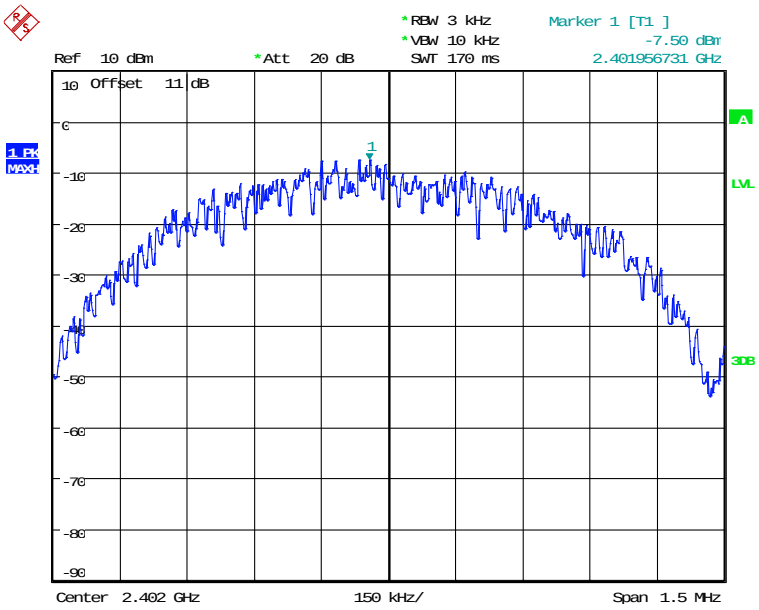
POWER DENSITY 802.11AX 40MHZ CH04 26RU1
Date: 24.OCT.2024 13:37:16



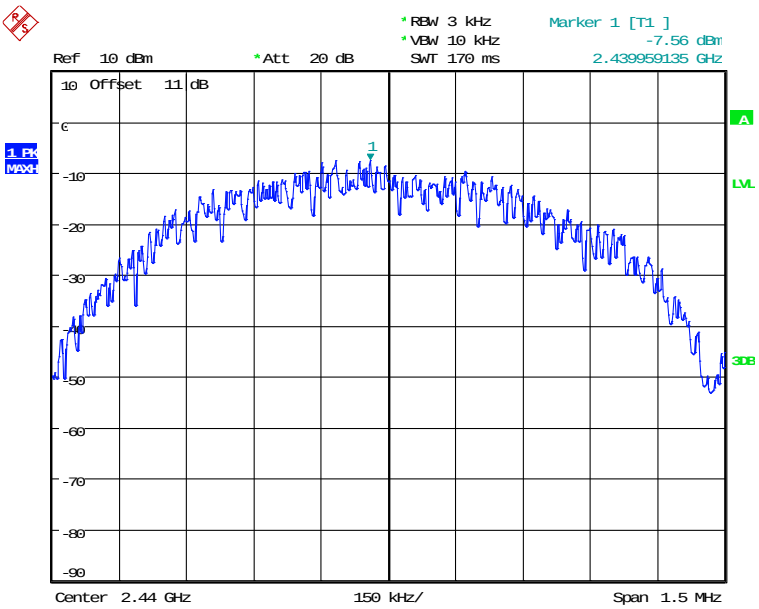
POWER DENSITY 802.11AX 40MHZ CH07 26RU1
Date: 24.OCT.2024 13:38:58

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15

Low energy
1M

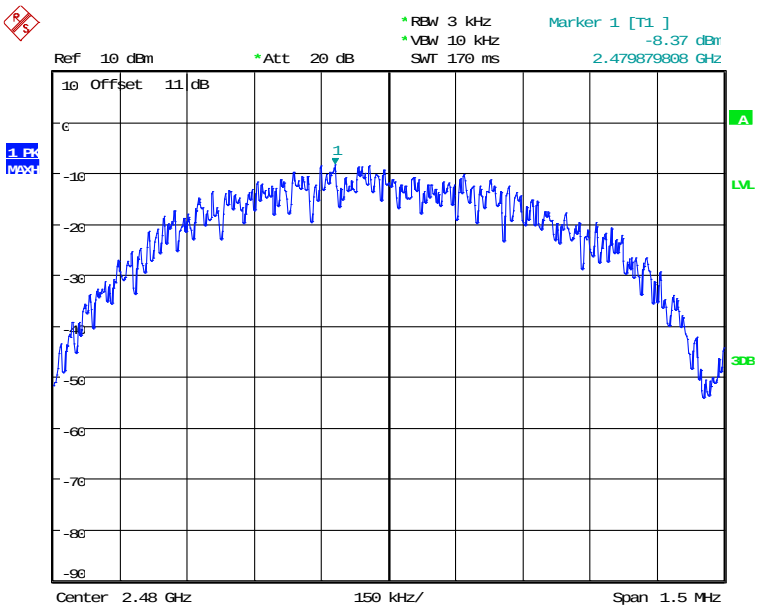


POWER DENSITY BLE 1M CH00
Date: 23.OCT.2024 18:00:55



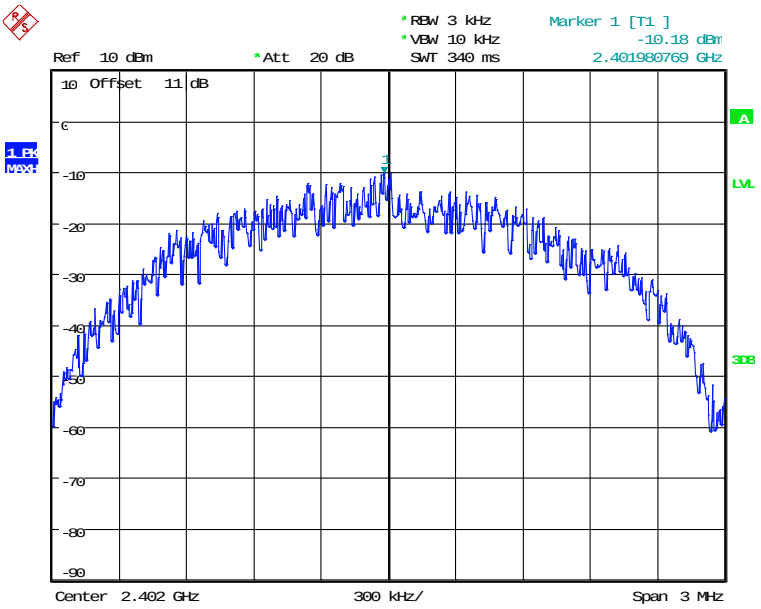
POWER DENSITY BLE 1M CH19
Date: 23.OCT.2024 18:01:43

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15



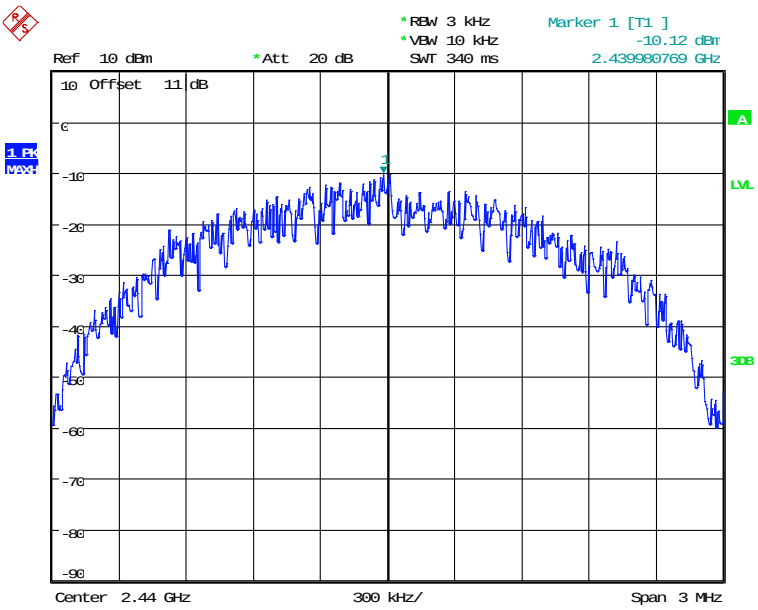
POWER DENSITY BLE 1M CH39
Date: 23.OCT.2024 18:02:25

2M

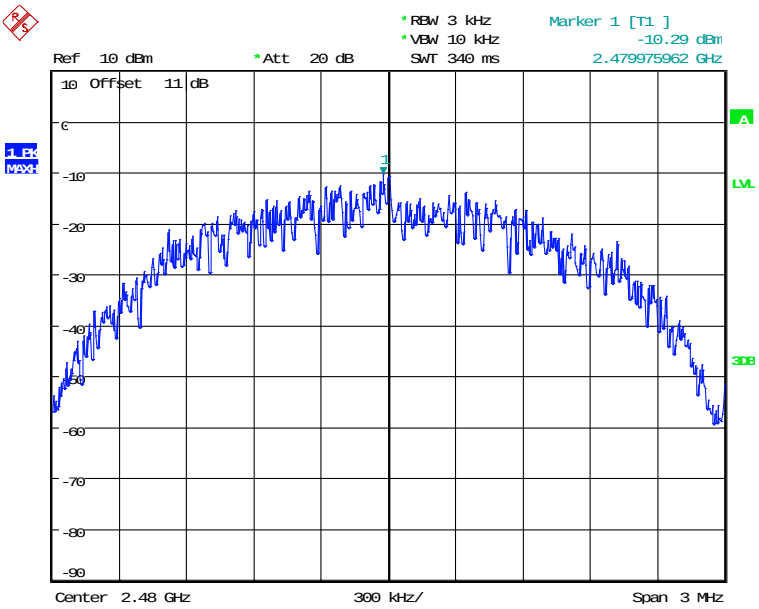


POWER DENSITY BLE 2M CH00
Date: 23.OCT.2024 18:03:41

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15



POWER DENSITY BLE 2M CH19
Date: 23.OCT.2024 18:04:29



POWER DENSITY BLE 2M CH39
Date: 23.OCT.2024 18:05:11

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15

Limits:

Frequency Range MHz	dBm
902-928	8
2400-2483.5	8
5725-5850	8

3.11 Radiated Emission from Digital Part

FCC Rule: 15.109

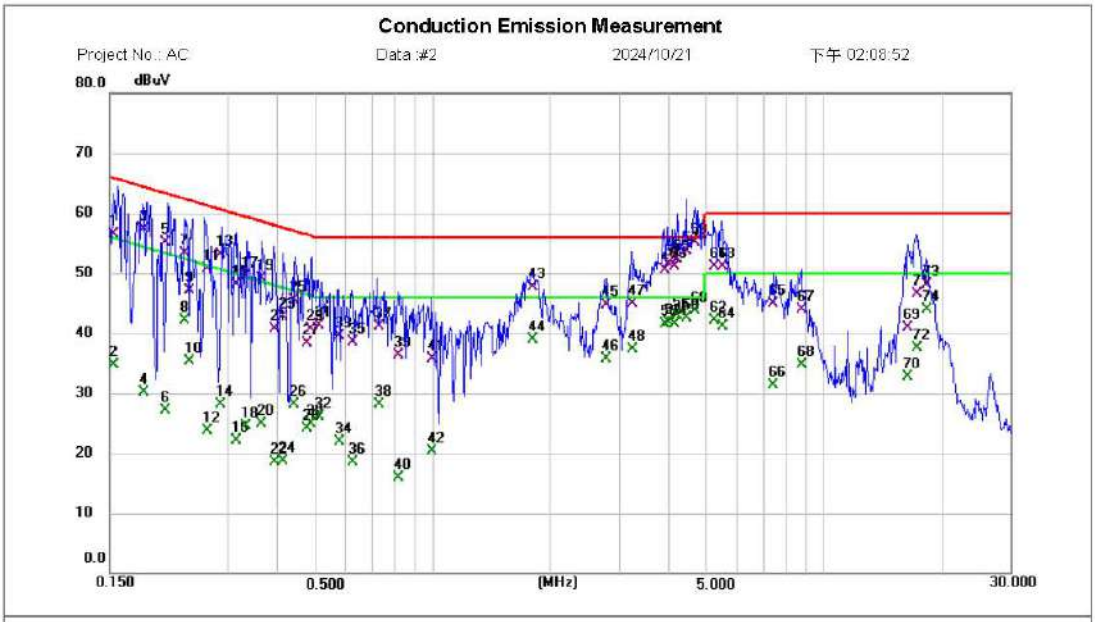
Except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

Frequency of Emission (MHz)	Field Strength (microvolts/meter)	Field Strength (dBmicrovolts/meter)
30 – 88	100	40.0
88 – 216	150	43.5
216 – 960	200	46.0
Above 960	500	54.0

Explanation: Please refer to separated test report no.: W6M22409-23739-P-15B.

3.12 Power Line Conducted Emission

For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the table bellows with this provision shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminals.
This measurement was transact first with instrumentation using an average and peak detector and a 10 kHz bandwidth. If the peak detector achieves a calculated level, the measurement is repeated by an instrumentation using a quasi-peak detector.



Site: Conduction Room
Limit: FCC Part15 CE-Class B_QP
EUT: W6M22409-23739
M/N:
Mode: Mode 1
Note:

Polarization: N
Power: 230 Va.c.

Temperature: 25.8 (C)
Humidity: 53.0 %RH

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1536	56.47	0.07	56.54	65.80	-9.26	QP	P	
2	0.1536	34.60	0.07	34.67	55.80	-21.13	AVG	P	
3	0.1833	57.17	0.06	57.23	64.33	-7.10	QP	P	
4	0.1833	29.99	0.06	30.05	54.33	-24.28	AVG	P	
5	0.2080	55.06	0.06	55.12	63.28	-8.16	QP	P	
6	0.2080	27.10	0.06	27.16	53.28	-26.12	AVG	P	
7	0.2328	53.33	0.06	53.39	62.35	-8.96	QP	P	
8	0.2328	42.06	0.06	42.12	52.35	-10.23	AVG	P	
9	0.2402	47.06	0.06	47.12	62.09	-14.97	QP	P	
10	0.2402	35.20	0.06	35.26	52.09	-16.83	AVG	P	
11	0.2645	50.63	0.06	50.69	61.29	-10.60	QP	P	
12	0.2645	23.59	0.06	23.65	51.29	-27.64	AVG	P	
13	0.2869	52.99	0.06	53.05	60.61	-7.56	QP	P	
14	0.2869	28.08	0.06	28.14	50.61	-22.47	AVG	P	

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15

Site Conduction Room
Limit: FCC Part15 CE-Class B_QP
EUT: W6M22409-23739
M/N:
Mode: Mode 1
Note:

Polarization: N
Power: 230 Va.c.

Temperature: 25.8 (C)
Humidity: 53.0 %RH

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
15	0.3147	48.04	0.07	48.11	59.85	-11.74	QP	P	
16	0.3147	22.13	0.07	22.20	49.85	-27.65	AVG	P	
17	0.3334	49.34	0.07	49.41	59.37	-9.96	QP	P	
18	0.3334	24.36	0.07	24.43	49.37	-24.94	AVG	P	
19	0.3658	49.06	0.07	49.13	58.60	-9.47	QP	P	
20	0.3658	24.89	0.07	24.96	48.60	-23.64	AVG	P	
21	0.3936	40.68	0.07	40.75	57.99	-17.24	QP	P	
22	0.3936	18.36	0.07	18.43	47.99	-29.56	AVG	P	
23	0.4147	42.70	0.07	42.77	57.55	-14.78	QP	P	
24	0.4147	18.58	0.07	18.65	47.55	-28.90	AVG	P	
25	0.4428	45.35	0.07	45.42	57.01	-11.59	QP	P	
26	0.4428	28.05	0.07	28.12	47.01	-18.89	AVG	P	
27	0.4776	38.30	0.07	38.37	56.38	-18.01	QP	P	
28	0.4776	23.94	0.07	24.01	46.38	-22.37	AVG	P	
29	0.4875	40.68	0.07	40.75	56.21	-15.46	QP	P	
30	0.4875	24.77	0.07	24.84	46.21	-21.37	AVG	P	
31	0.5107	41.13	0.08	41.21	56.00	-14.79	QP	P	
32	0.5107	26.12	0.08	26.20	46.00	-19.80	AVG	P	
33	0.5768	39.38	0.08	39.46	56.00	-16.54	QP	P	
34	0.5768	21.77	0.08	21.85	46.00	-24.15	AVG	P	
35	0.6245	38.48	0.08	38.56	56.00	-17.44	QP	P	
36	0.6245	18.41	0.08	18.49	46.00	-27.51	AVG	P	
37	0.7276	41.03	0.09	41.12	56.00	-14.88	QP	P	
38	0.7276	28.09	0.09	28.18	46.00	-17.82	AVG	P	
39	0.8177	36.27	0.09	36.36	56.00	-19.64	QP	P	
40	0.8177	15.90	0.09	15.99	46.00	-30.01	AVG	P	
41	0.9984	35.56	0.10	35.66	56.00	-20.34	QP	P	
42	0.9984	20.23	0.10	20.33	46.00	-25.67	AVG	P	
43	1.8031	47.67	0.12	47.79	56.00	-8.21	QP	P	
44	1.8031	38.77	0.12	38.89	46.00	-7.11	AVG	P	
45	2.7708	44.56	0.14	44.70	56.00	-11.30	QP	P	
46	2.7708	35.47	0.14	35.61	46.00	-10.39	AVG	P	
47	3.2343	44.84	0.14	44.98	56.00	-11.02	QP	P	
48	3.2343	37.21	0.14	37.35	46.00	-8.65	AVG	P	
49	3.9150	50.39	0.16	50.55	56.00	-5.45	QP	P	
50	3.9150	41.41	0.16	41.57	46.00	-4.43	AVG	P	

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15

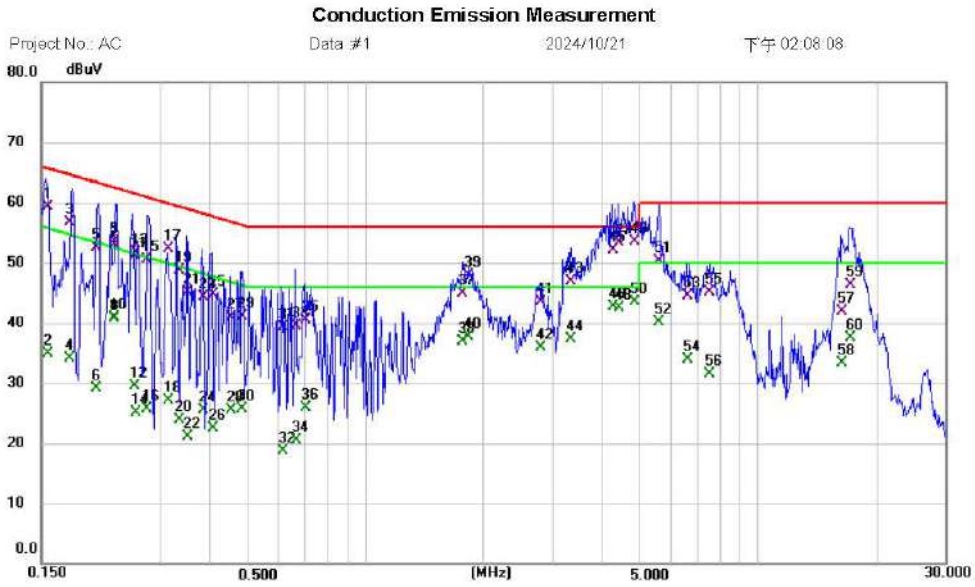
Site Conduction Room
Limit: FCC Part15 CE-Class B_QP
EUT: W6M22409-23739
M/N:
Mode: Mode 1
Note:

Polarization: N
Power: 230 Va.c.

Temperature: 25.8 (C)
Humidity: 53.0 %RH

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
51	3.9923	51.37	0.16	51.53	56.00	-4.47	QP	P	
52	3.9923	41.56	0.16	41.72	46.00	-4.28	AVG	P	
53	4.1541	50.96	0.16	51.12	56.00	-4.88	QP	P	
54	4.1541	41.43	0.16	41.59	46.00	-4.41	AVG	P	
55	4.2105	52.12	0.16	52.28	56.00	-3.72	QP	P	
56	4.2105	42.66	0.16	42.82	46.00	-3.18	AVG	P	
57	4.4537	53.52	0.16	53.68	56.00	-2.32	QP	P	
58	4.4537	42.27	0.16	42.43	46.00	-3.57	AVG	P	
59 *	4.6847	55.01	0.17	55.18	56.00	-0.82	QP	P	
60	4.6847	43.48	0.17	43.65	46.00	-2.35	AVG	P	
61	5.2303	51.00	0.17	51.17	60.00	-8.83	QP	P	
62	5.2303	41.84	0.17	42.01	50.00	-7.99	AVG	P	
63	5.4873	51.02	0.18	51.20	60.00	-8.80	QP	P	
64	5.4873	40.89	0.18	41.07	50.00	-8.93	AVG	P	
65	7.3893	44.71	0.23	44.94	60.00	-15.06	QP	P	
66	7.3893	31.00	0.23	31.23	50.00	-18.77	AVG	P	
67	8.7557	43.65	0.26	43.91	60.00	-16.09	QP	P	
68	8.7557	34.35	0.26	34.61	50.00	-15.39	AVG	P	
69	16.3785	40.47	0.39	40.86	60.00	-19.14	QP	P	
70	16.3785	32.27	0.39	32.66	50.00	-17.34	AVG	P	
71	17.1997	46.04	0.40	46.44	60.00	-13.56	QP	P	
72	17.1997	37.12	0.40	37.52	50.00	-12.48	AVG	P	
73	18.2407	47.63	0.41	48.04	60.00	-11.96	QP	P	
74	18.2407	43.50	0.41	43.91	50.00	-6.09	AVG	P	

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15



Site: Conduction Room
Limit: FCC Part15 CE-Class B_QP
EUT: W6M22409-23739
M/N:
Mode: Mode 1
Note:

Polarization: L1
Power: 230 Vac

Temperature: 25.8 (C)
Humidity: 53.0 %RH

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1550	59.20	0.07	59.27	65.73	-6.46	QP	P	
2	0.1550	34.90	0.07	34.97	55.73	-20.76	AVG	P	
3	0.1763	56.69	0.06	56.75	64.66	-7.91	QP	P	
4	0.1763	34.10	0.06	34.16	54.66	-20.50	AVG	P	
5	0.2056	52.47	0.06	52.53	63.38	-10.85	QP	P	
6	0.2056	29.04	0.06	29.10	53.38	-24.28	AVG	P	
7	0.2282	52.82	0.06	52.88	62.51	-9.63	QP	P	
8	0.2282	40.59	0.06	40.65	52.51	-11.86	AVG	P	
9	0.2284	53.39	0.06	53.45	62.51	-9.06	QP	P	
10	0.2284	40.80	0.06	40.86	52.51	-11.65	AVG	P	
11	0.2578	51.12	0.06	51.18	61.50	-10.32	QP	P	
12	0.2578	29.42	0.06	29.48	51.50	-22.02	AVG	P	
13	0.2604	51.70	0.06	51.76	61.42	-9.66	QP	P	
14	0.2604	25.11	0.06	25.17	51.42	-26.25	AVG	P	

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15

Site Conduction Room
Limit: FCC Part15 CE-Class B_QP
EUT: W6M22409-23739
M/N:
Mode: Mode 1
Note:

Polarization: L1
Power: 230 Va.c.

Temperature: 25.8 (C)
Humidity: 53.0 %RH

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
15	0.2776	50.38	0.06	50.44	60.89	-10.45	QP	P	
16	0.2776	25.62	0.06	25.68	50.89	-25.21	AVG	P	
17	0.3143	52.20	0.07	52.27	59.86	-7.59	QP	P	
18	0.3143	26.97	0.07	27.04	49.86	-22.82	AVG	P	
19	0.3342	48.66	0.07	48.73	59.35	-10.62	QP	P	
20	0.3342	23.76	0.07	23.83	49.35	-25.52	AVG	P	
21	0.3530	45.06	0.07	45.13	58.89	-13.76	QP	P	
22	0.3530	20.98	0.07	21.05	48.89	-27.84	AVG	P	
23	0.3853	44.19	0.07	44.26	58.16	-13.90	QP	P	
24	0.3853	25.36	0.07	25.43	48.16	-22.73	AVG	P	
25	0.4101	44.69	0.07	44.76	57.65	-12.89	QP	P	
26	0.4101	22.50	0.07	22.57	47.65	-25.08	AVG	P	
27	0.4555	40.81	0.07	40.88	56.77	-15.89	QP	P	
28	0.4555	25.41	0.07	25.48	46.77	-21.29	AVG	P	
29	0.4863	41.10	0.07	41.17	56.23	-15.06	QP	P	
30	0.4863	25.64	0.07	25.71	46.23	-20.52	AVG	P	
31	0.6147	39.21	0.08	39.29	56.00	-16.71	QP	P	
32	0.6147	18.55	0.08	18.63	46.00	-27.37	AVG	P	
33	0.6683	39.46	0.08	39.54	56.00	-16.46	QP	P	
34	0.6683	20.39	0.08	20.47	46.00	-25.53	AVG	P	
35	0.7039	40.44	0.09	40.53	56.00	-15.47	QP	P	
36	0.7039	25.81	0.09	25.90	46.00	-20.10	AVG	P	
37	1.7661	44.84	0.11	44.95	56.00	-11.05	QP	P	
38	1.7661	36.88	0.11	36.99	46.00	-9.01	AVG	P	
39	1.8295	47.88	0.11	47.99	56.00	-8.01	QP	P	
40	1.8295	37.61	0.11	37.72	46.00	-8.28	AVG	P	
41	2.8079	43.41	0.13	43.54	56.00	-12.46	QP	P	
42	2.8079	35.77	0.13	35.90	46.00	-10.10	AVG	P	
43	3.3442	46.83	0.14	46.97	56.00	-9.03	QP	P	
44	3.3442	37.12	0.14	37.26	46.00	-8.74	AVG	P	
45	4.2609	51.92	0.15	52.07	56.00	-3.93	QP	P	
46	4.2609	42.48	0.15	42.63	46.00	-3.37	AVG	P	
47	4.4268	53.21	0.15	53.36	56.00	-2.64	QP	P	
48	4.4268	42.41	0.15	42.56	46.00	-3.44	AVG	P	
49	4.8389	53.40	0.16	53.56	56.00	-2.44	QP	P	
50 *	4.8389	43.41	0.16	43.57	46.00	-2.43	AVG	P	

Registration number: W6M22409-23739-C-1
FCC ID: IR5ML15

Site Conduction Room
Limit: FCC Part15 CE-Class B_QP
EUT: W6M22409-23739
M/N:
Mode: Mode 1
Note:

Polarization: L1
Power: 230 Va.c.

Temperature: 25.8 (C)
Humidity: 53.0 %RH

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
51	5.5736	50.13	0.17	50.30	60.00	-9.70	QP	P	
52	5.5736	39.92	0.17	40.09	50.00	-9.91	AVG	P	
53	6.6114	44.28	0.20	44.48	60.00	-15.52	QP	P	
54	6.6114	33.76	0.20	33.96	50.00	-16.04	AVG	P	
55	7.5194	44.93	0.22	45.15	60.00	-14.85	QP	P	
56	7.5194	31.35	0.22	31.57	50.00	-18.43	AVG	P	
57	16.3141	41.56	0.36	41.92	60.00	-18.08	QP	P	
58	16.3141	32.90	0.36	33.26	50.00	-16.74	AVG	P	
59	17.1236	45.92	0.37	46.29	60.00	-13.71	QP	P	
60	17.1236	37.06	0.37	37.43	50.00	-12.57	AVG	P	

Note

1. **The formula of measured value as: Test Result = Reading + Correction Factor**
2. **The Correction Factor = Cable Loss + LISN Insertion Loss + Pulse Limit Loss**
3. **Detector function in the form : PK = Peak, QP = Quasi Peak, AV = Average**
4. **All not in the table noted test results are more than 20 dB below the relevant limits.**
5. **Up Line: QP Limit Line, Down Line: Ave Limit Line.**

Limits:

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi Peak	Average
0.15-0.5	66 to 56	56 to 46
0.5-5	56	46
5-30	60	50

Appendix

Measurement diagrams

Spurious Emissions radiated

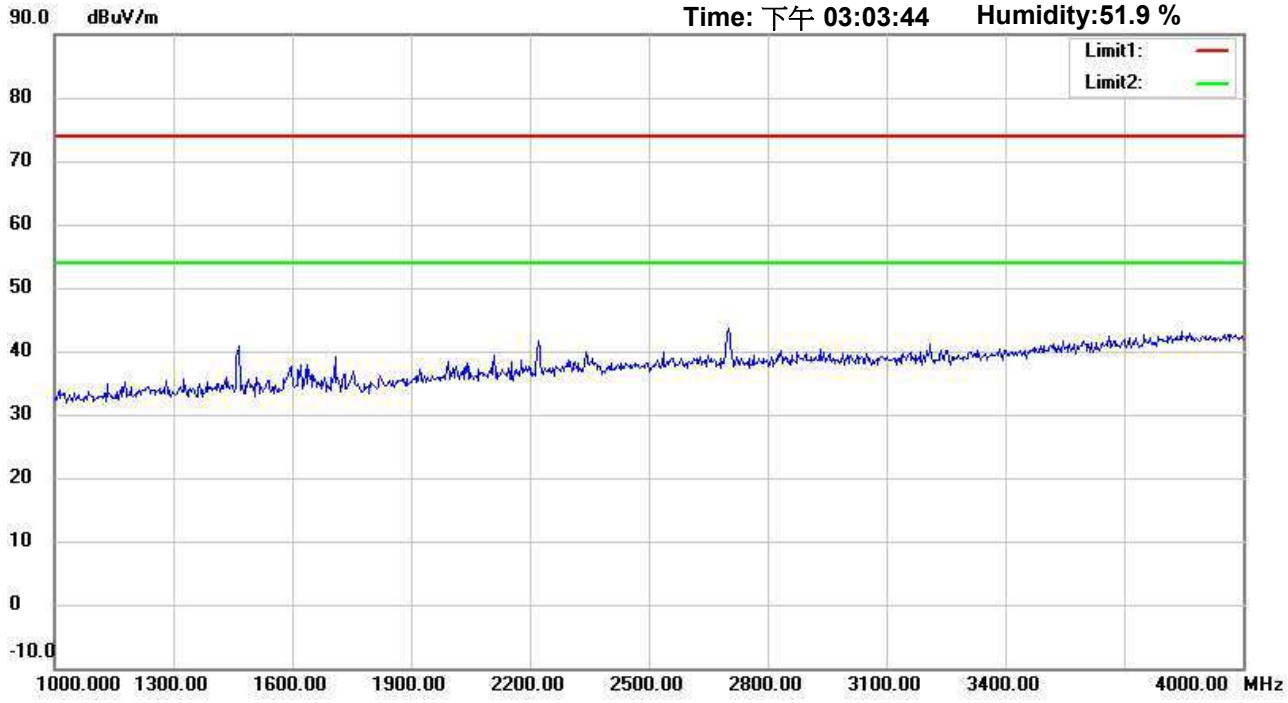
Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 **Data :#1** **Date: 2024/10/17** **Temperature:23.3 ℃**

Time: 下午 03:03:44 **Humidity:51.9 %**



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK **Polarization: *Horizontal***

EUT : W6M22409-23739 **Power : 120 Va.c.**

M/N: **Distance: 3m**

Test Mode : TX 802.11b CH11

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

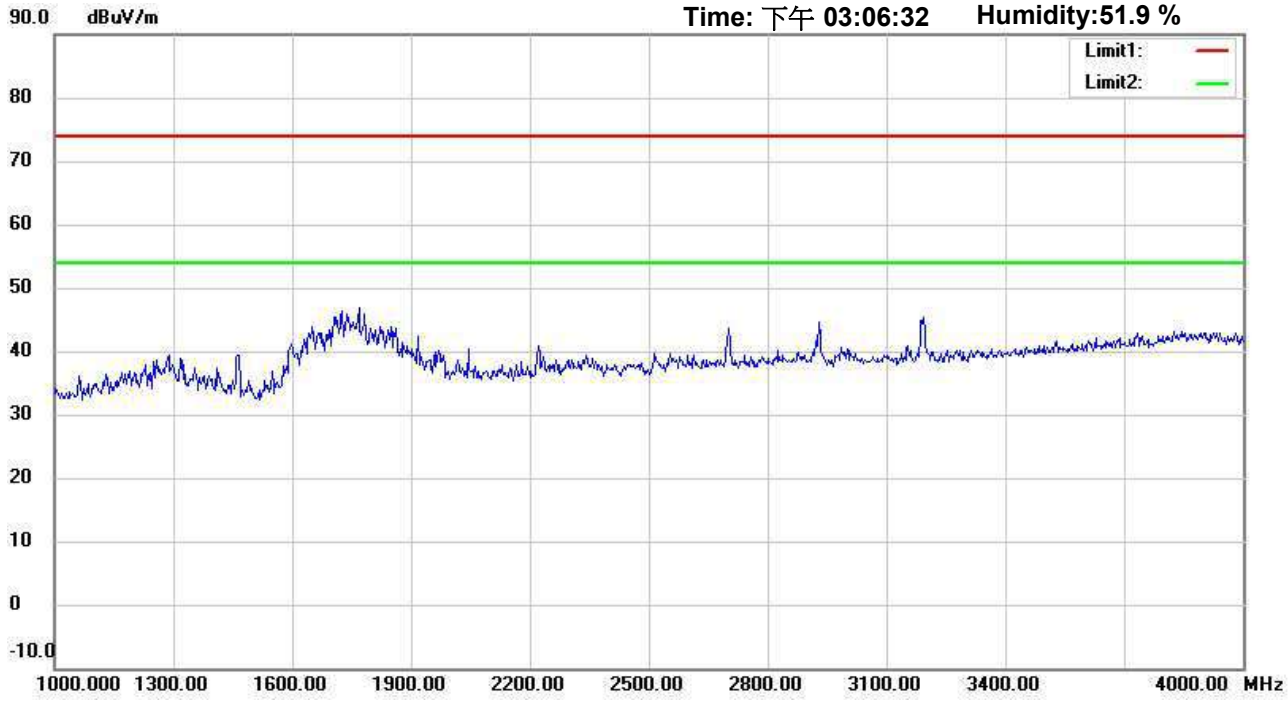
***:Maximum data x:Over limit !:over margin**

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#6 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 03:06:32 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH11
Note :

Polarization: *Vertical*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

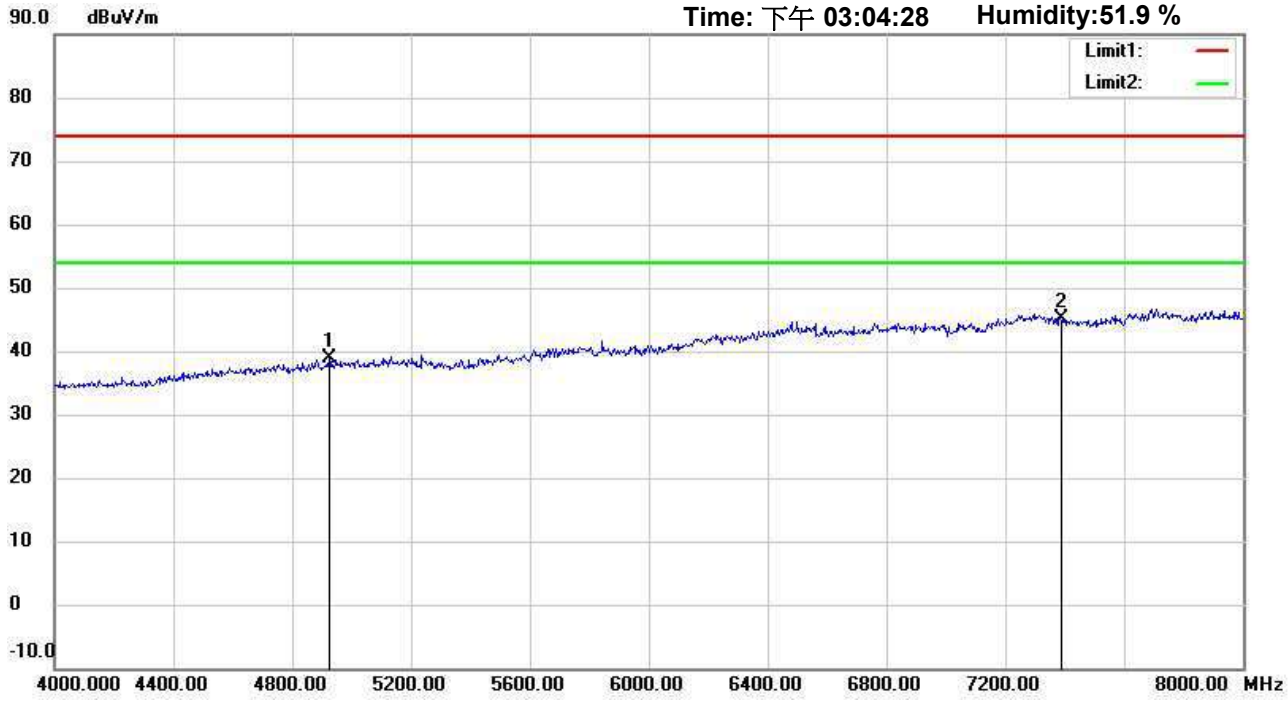
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#2 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 03:04:28 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH11
Note :

Polarization: *Horizontal*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4924.000	33.80	peak	5.13	38.93	74.00	150	40	-35.07	
*	7386.000	33.19	peak	12.06	45.25	74.00	150	359	-28.75	

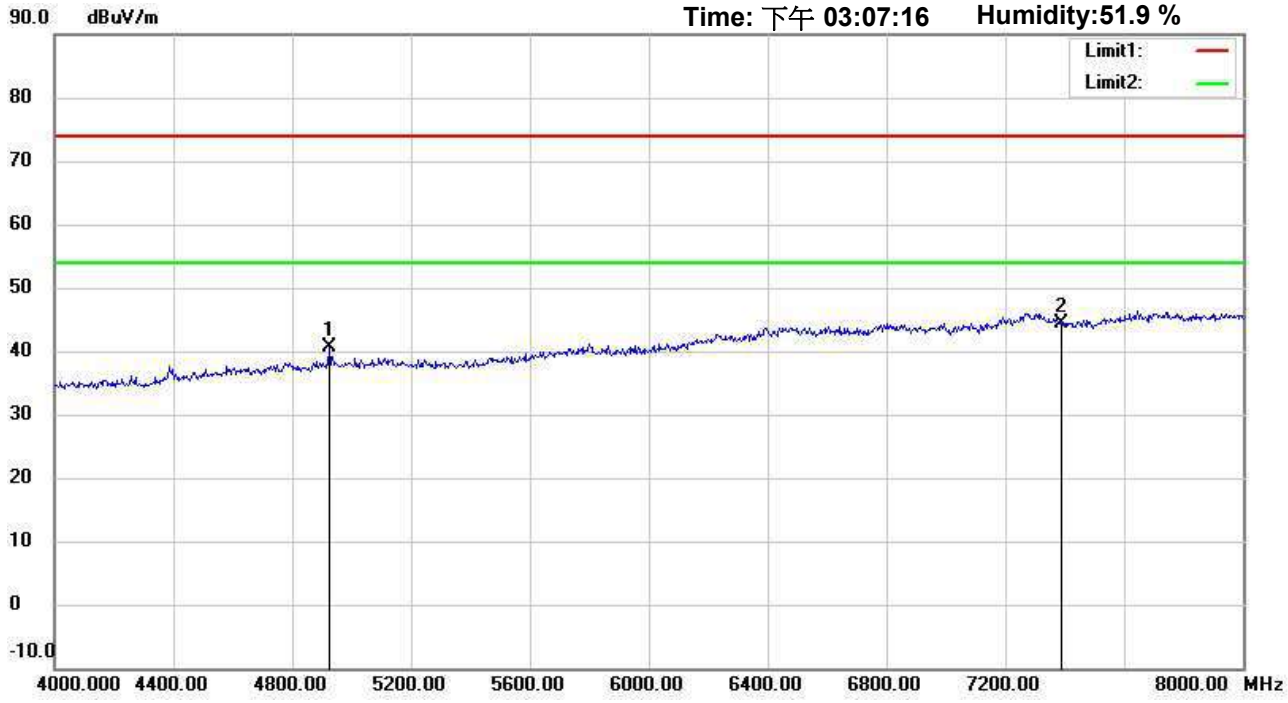
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#7 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 03:07:16 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH11
Note :

Polarization: *Vertical*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4924.000	35.56	peak	5.13	40.69	74.00	150	155	-33.31	
*	7386.000	32.33	peak	12.06	44.39	74.00	150	81	-29.61	

*:Maximum data x:Over limit !:over margin

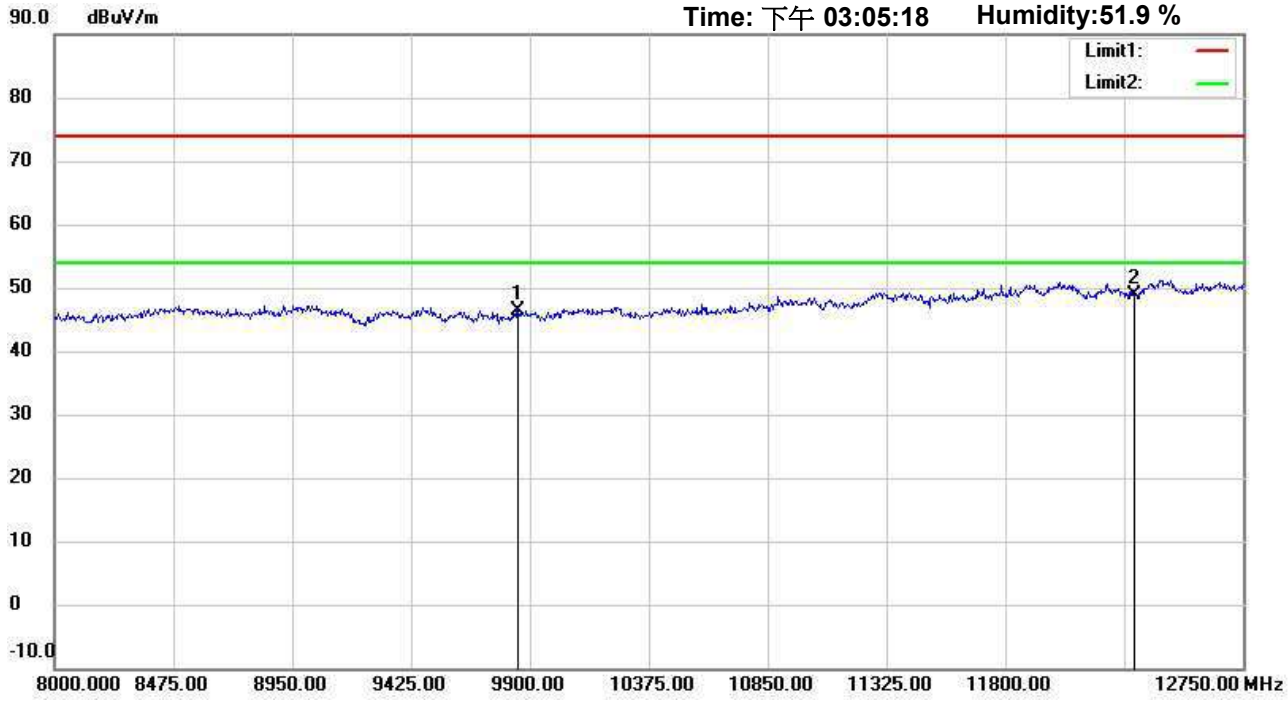
Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#3 Date: 2024/10/17 Temperature:23.3 ℃

Time: 下午 03:05:18 Humidity:51.9 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22409-23739

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH11

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9848.000	32.85	peak	13.50	46.35	74.00	150	321	-27.65	
*	12310.000	32.52	peak	16.30	48.82	74.00	150	75	-25.18	

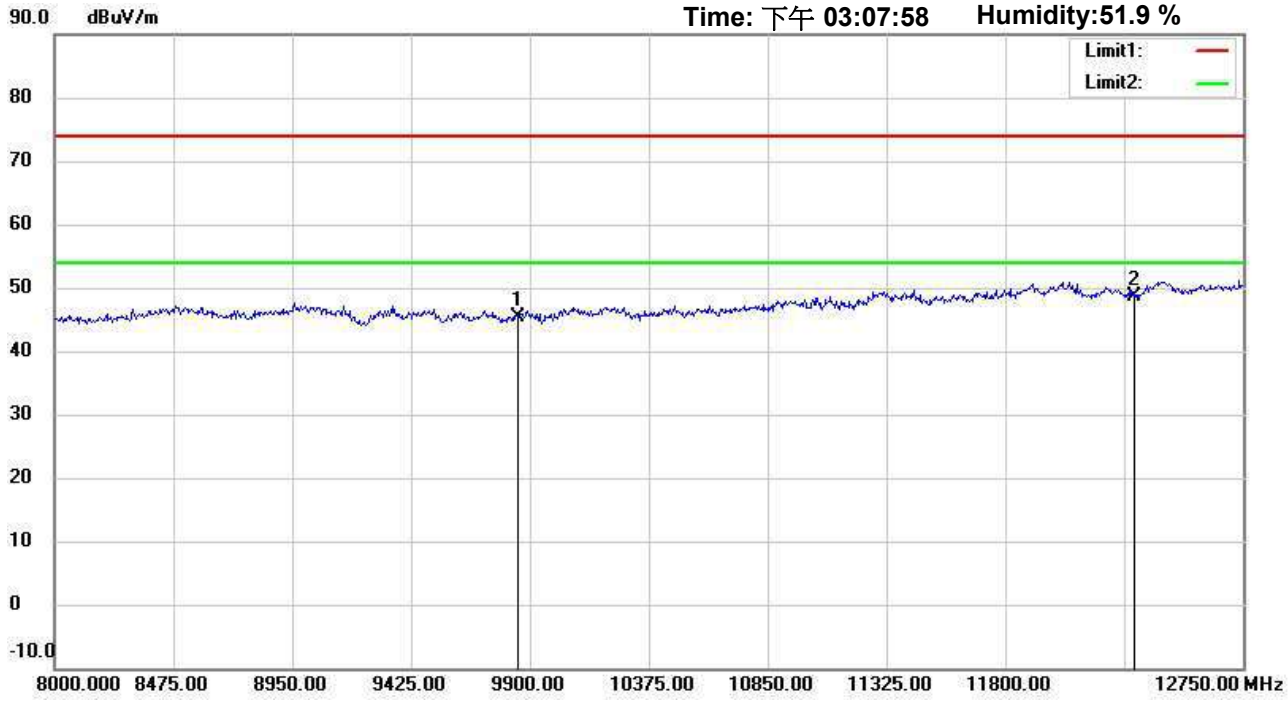
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#8 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 03:07:58 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH11
Note :

Polarization: *Vertical*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9848.000	31.86	peak	13.50	45.36	74.00	150	324	-28.64	
*	12310.000	32.40	peak	16.30	48.70	74.00	150	277	-25.30	

*:Maximum data x:Over limit !:over margin

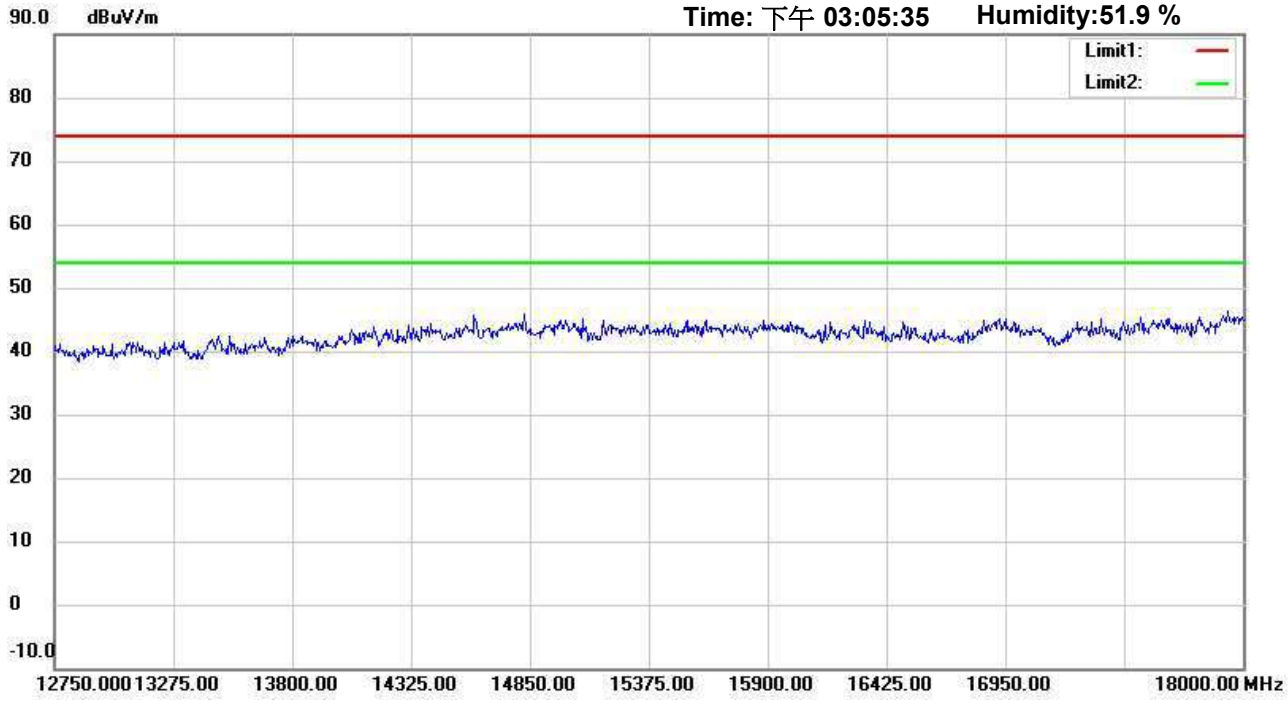
Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#4 Date: 2024/10/17 Temperature:23.3 ℃

Time: 下午 03:05:35 Humidity:51.9 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22409-23739

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH11

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

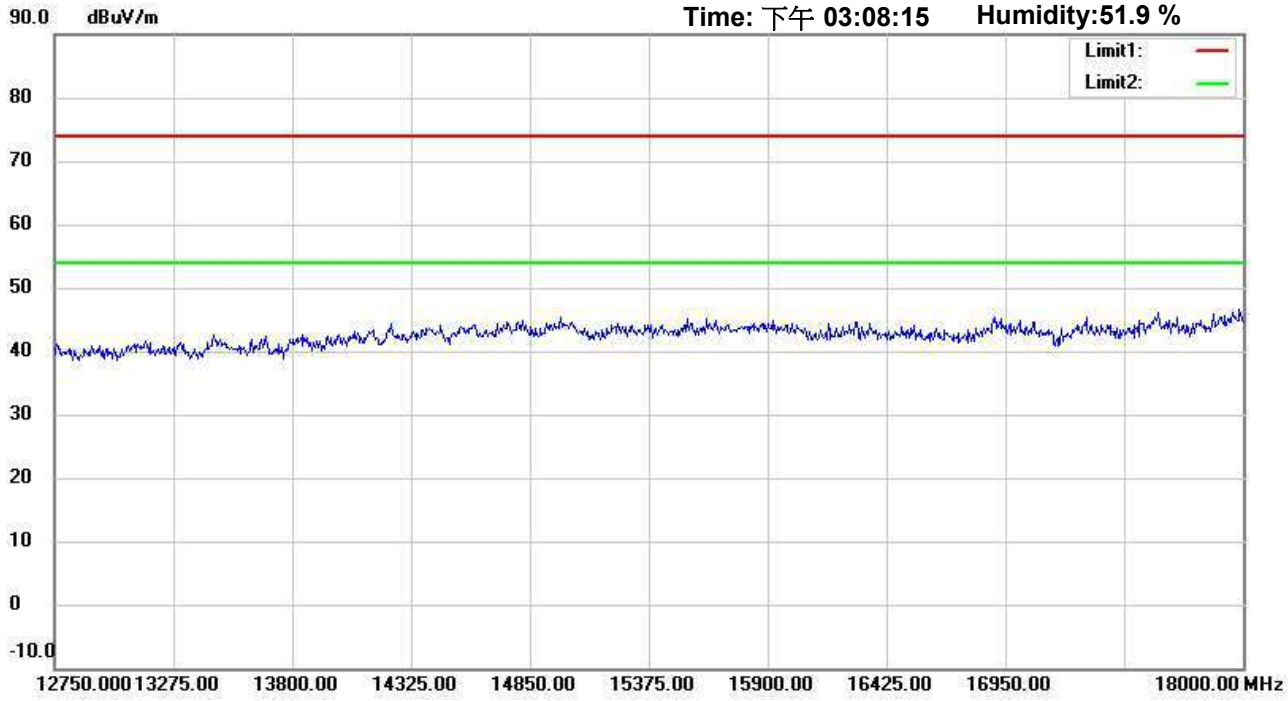
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#9 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 03:08:15 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH11
Note :

Polarization: *Vertical*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

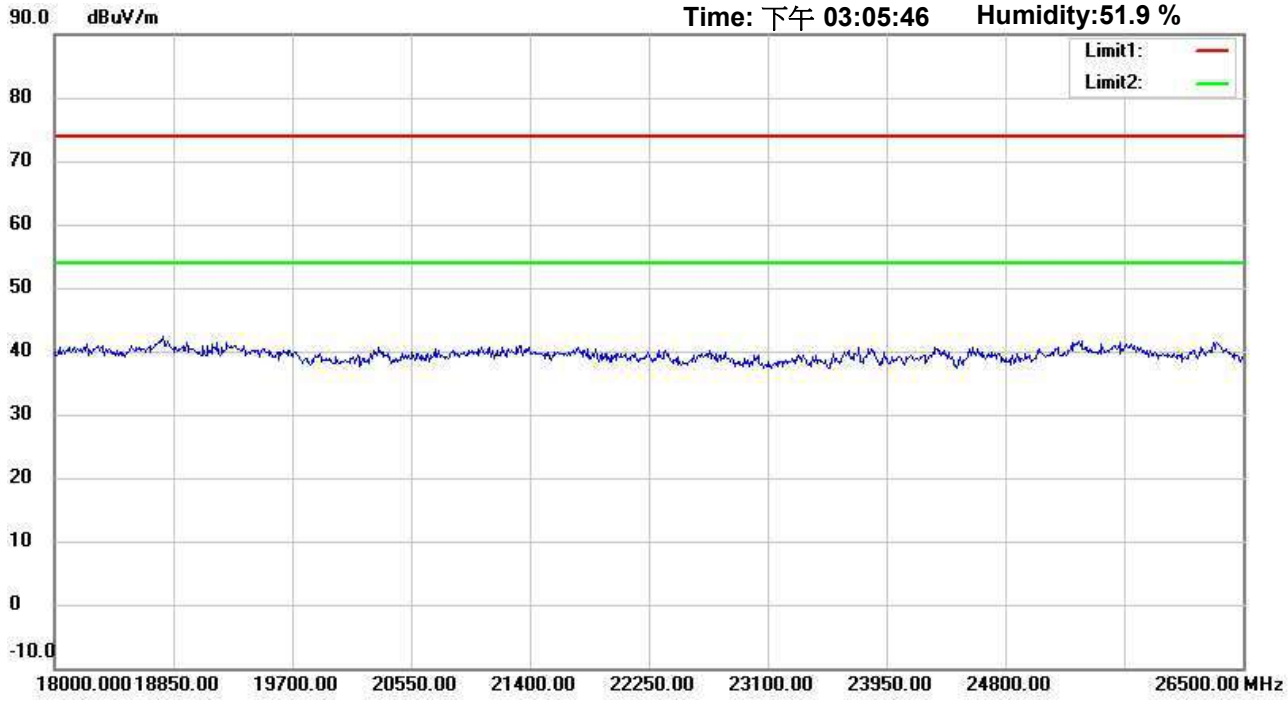
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#5 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 03:05:46 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH11
Note :

Polarization: *Horizontal*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

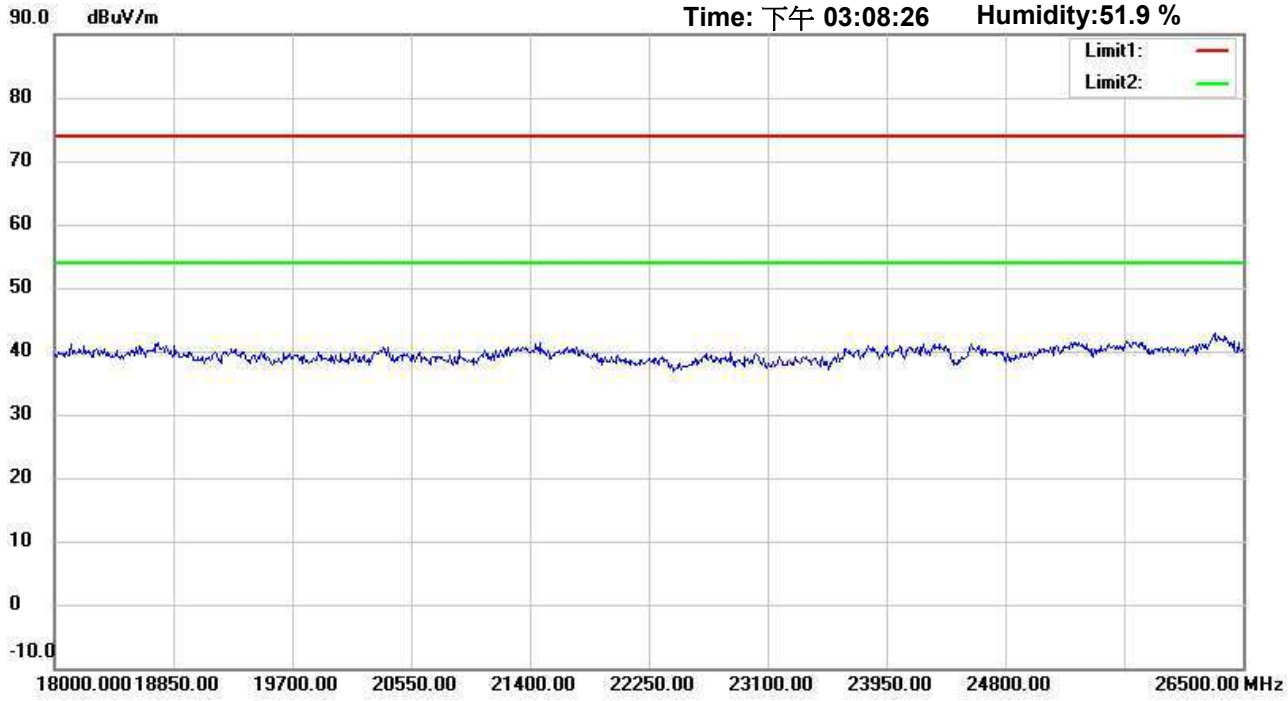
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#10 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 03:08:26 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH11
Note :

Polarization: *Vertical*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

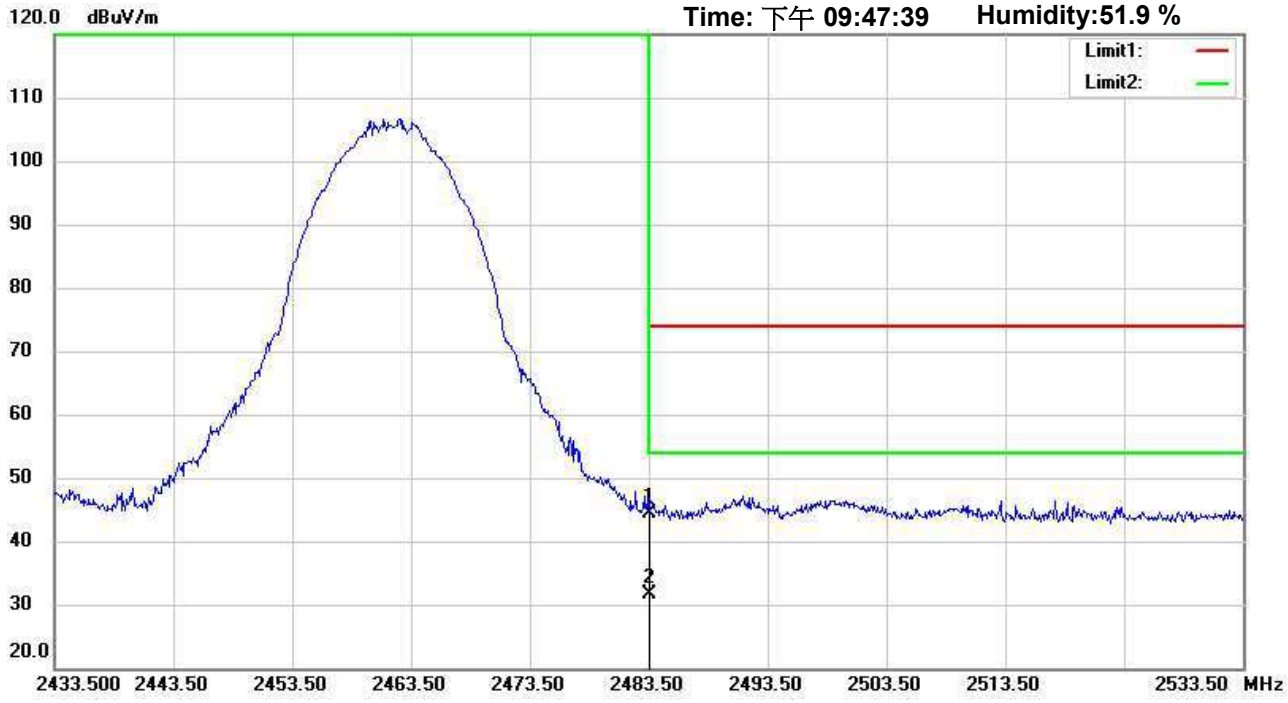
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Gino

File :Bandedge Data :#1 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 09:47:39 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC 15.247 PK (Bandedge)
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH11
Note :

Polarization: *Horizontal*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2483.500	48.62	peak	-4.30	44.32	74.00	150	59	-29.68	
*	2483.500	36.05	AVG	-4.30	31.75	54.00	150	59	-22.25	

*:Maximum data x:Over limit !:over margin

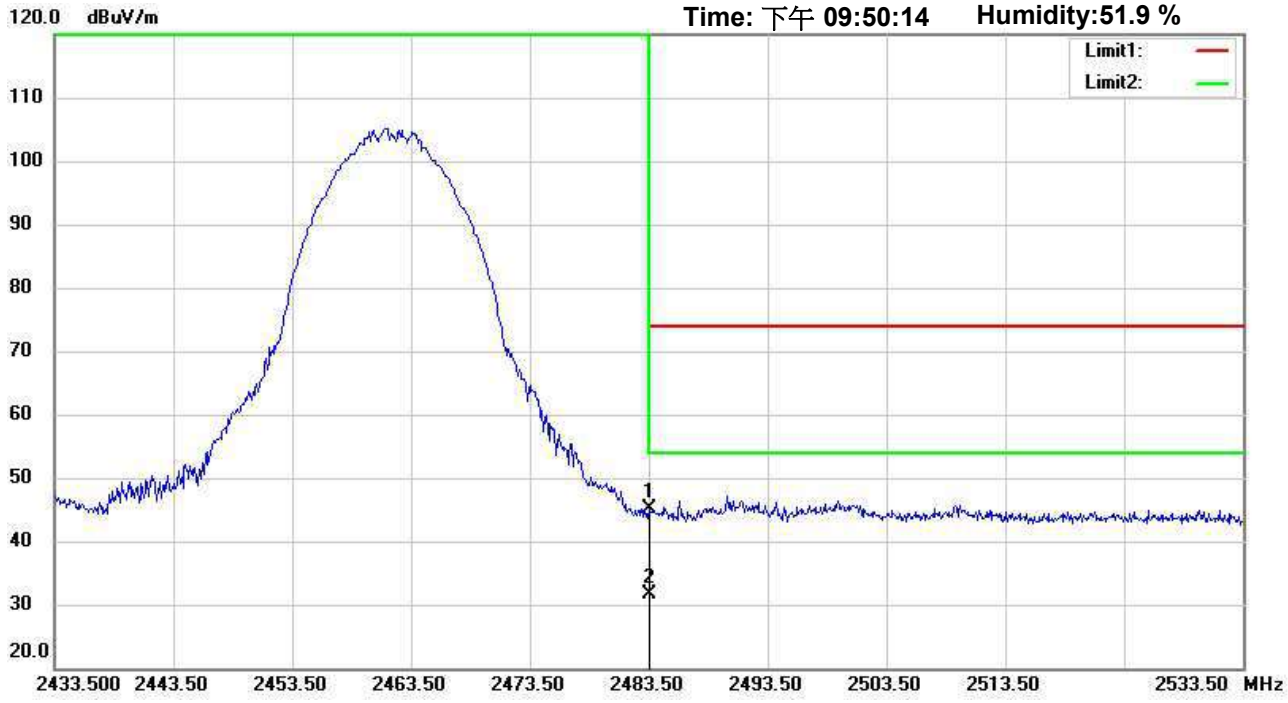
Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Gino

File :Bandedge Data :#2 Date: 2024/10/17 Temperature:23.3 ℃

Time: 下午 09:50:14 Humidity:51.9 %



Site : 966A Chamber

Condition : FCC 15.247 PK (Bandedge)

EUT : W6M22409-23739

M/N:

Test Mode : TX 802.11b CH11

Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2483.500	49.51	peak	-4.30	45.21	74.00	150	92	-28.79	
*	2483.500	35.89	AVG	-4.30	31.59	54.00	150	92	-22.41	

*:Maximum data x:Over limit !:over margin

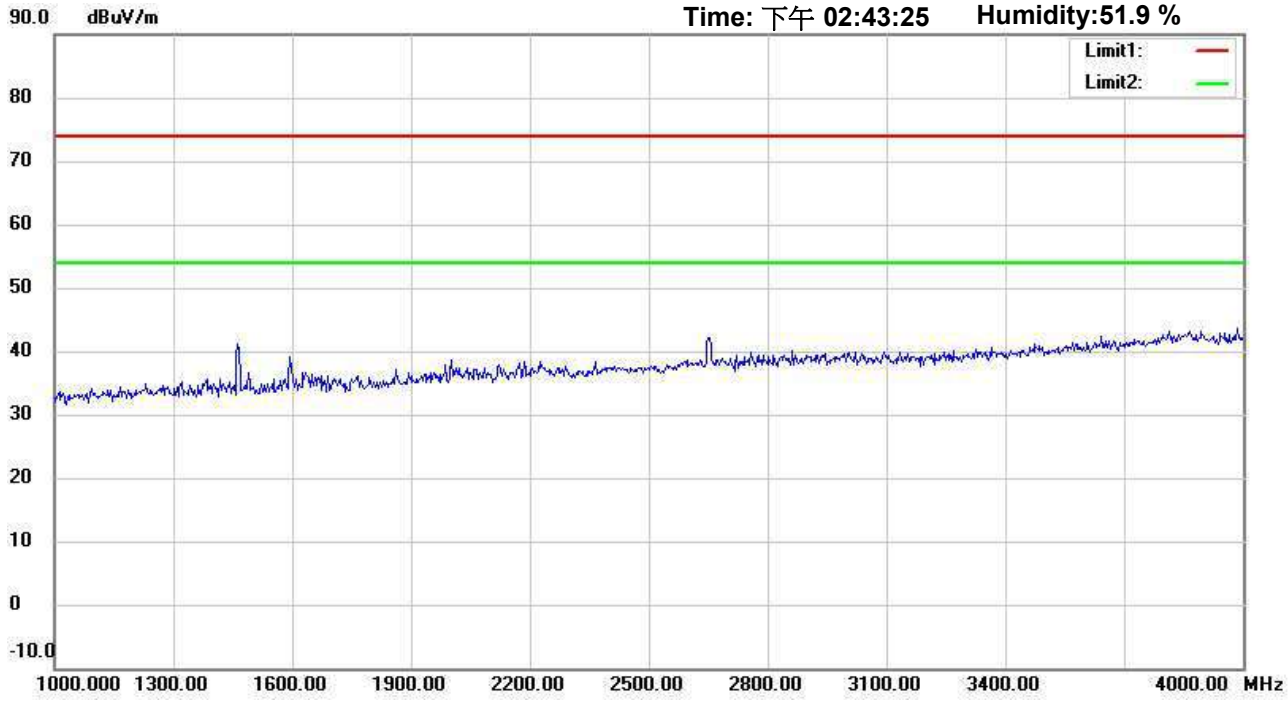
Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#1 Date: 2024/10/17 Temperature:23.3 ℃

Time: 下午 02:43:25 Humidity:51.9 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22409-23739

M/N:

Test Mode : TX 802.11b CH1

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

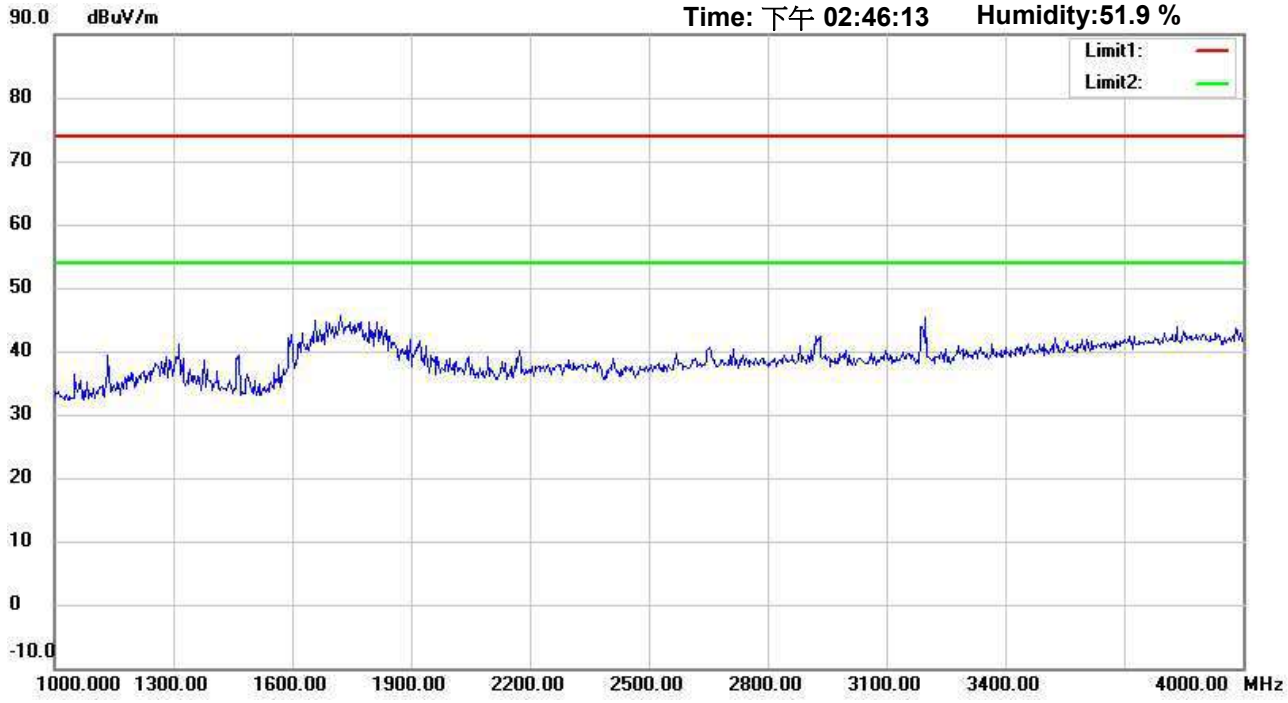
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#6 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 02:46:13 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH1
Note :

Polarization: *Vertical*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

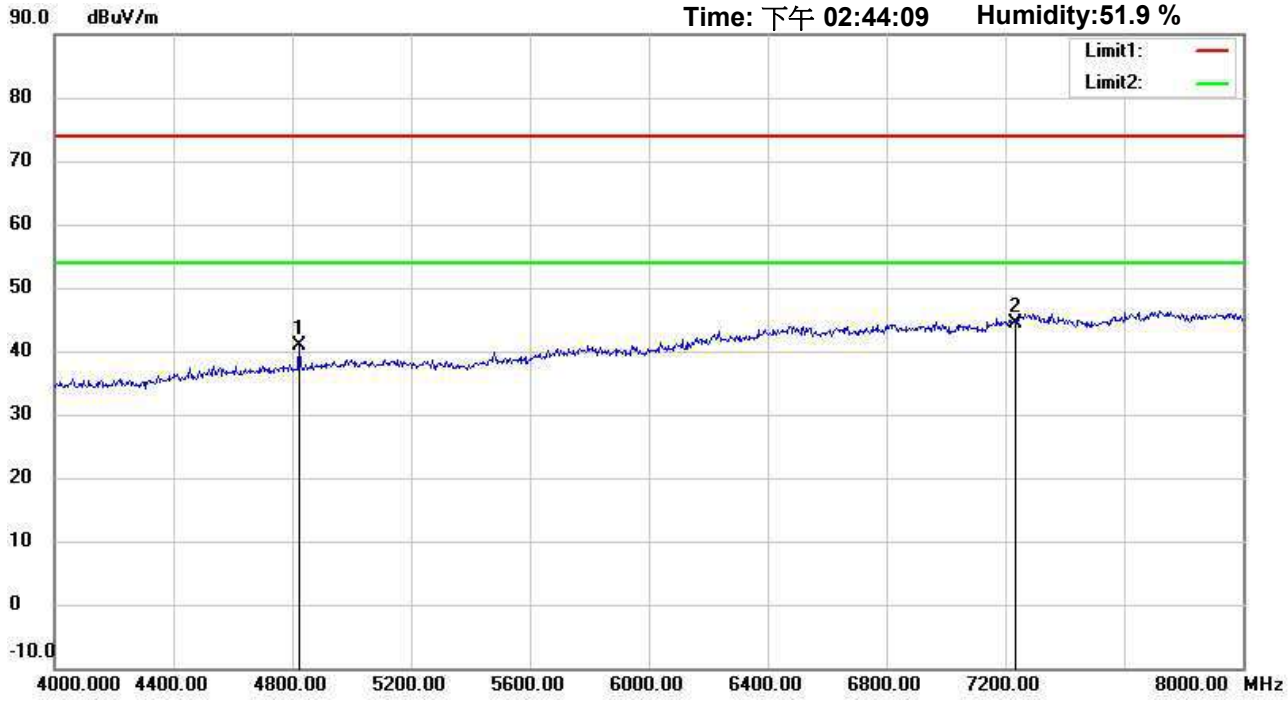
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#2 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 02:44:09 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH1
Note :

Polarization: *Horizontal*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4824.000	36.21	peak	4.63	40.84	74.00	150	132	-33.16	
*	7236.000	32.73	peak	11.73	44.46	74.00	150	359	-29.54	

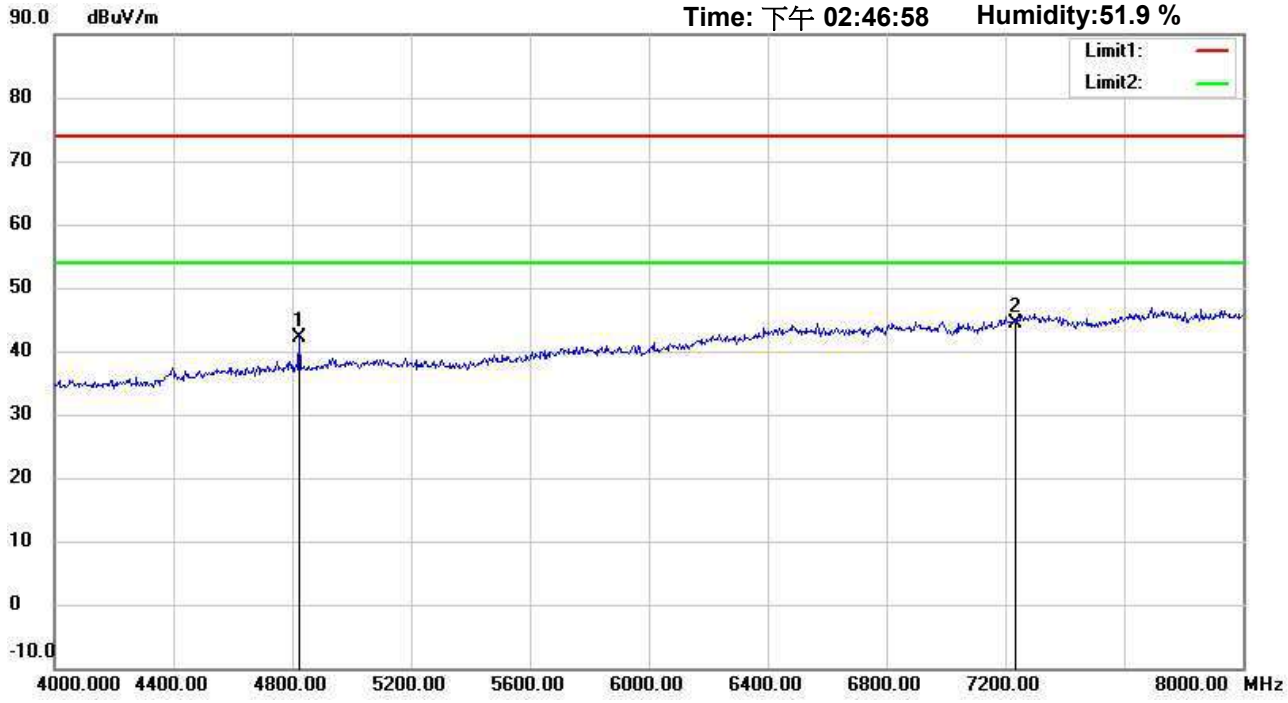
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#7 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 02:46:58 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH1
Note :

Polarization: *Vertical*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4824.000	37.39	peak	4.63	42.02	74.00	150	148	-31.98	
*	7236.000	32.76	peak	11.73	44.49	74.00	150	307	-29.51	

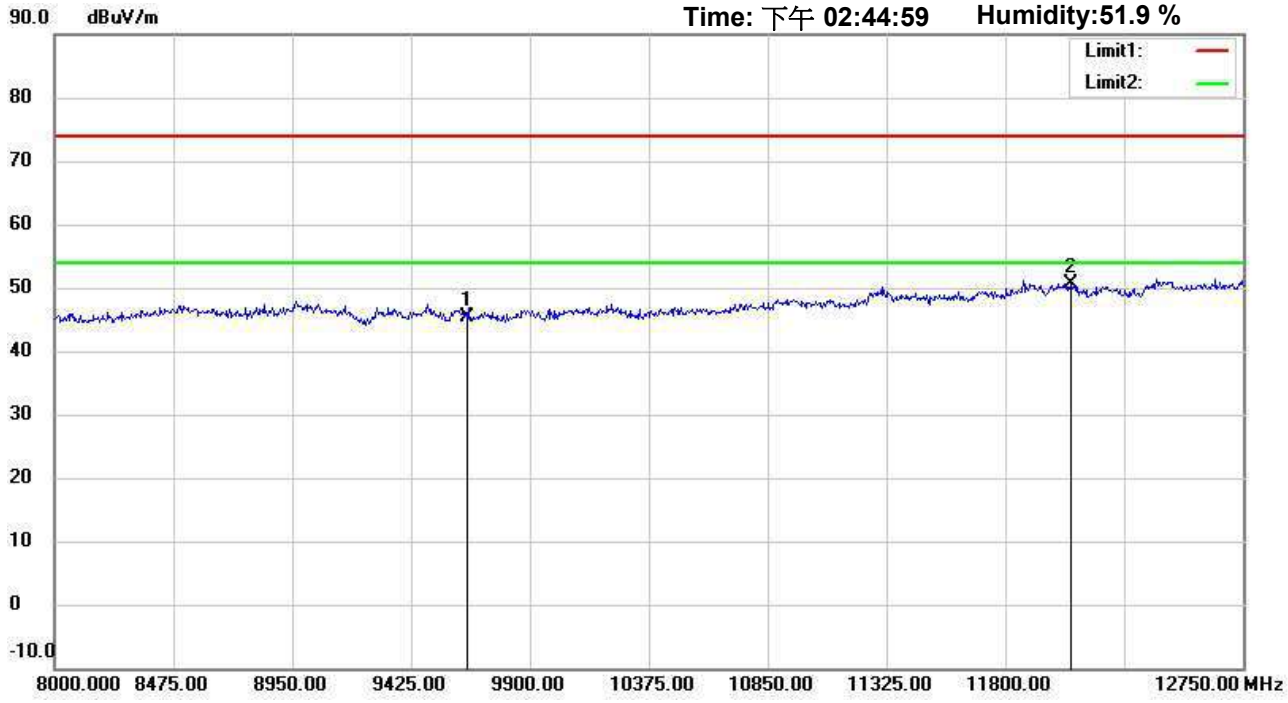
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#3 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 02:44:59 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH1
Note :

Polarization: *Horizontal*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9648.000	32.24	peak	13.08	45.32	74.00	150	220	-28.68	
*	12060.000	33.73	peak	16.81	50.54	74.00	150	266	-23.46	

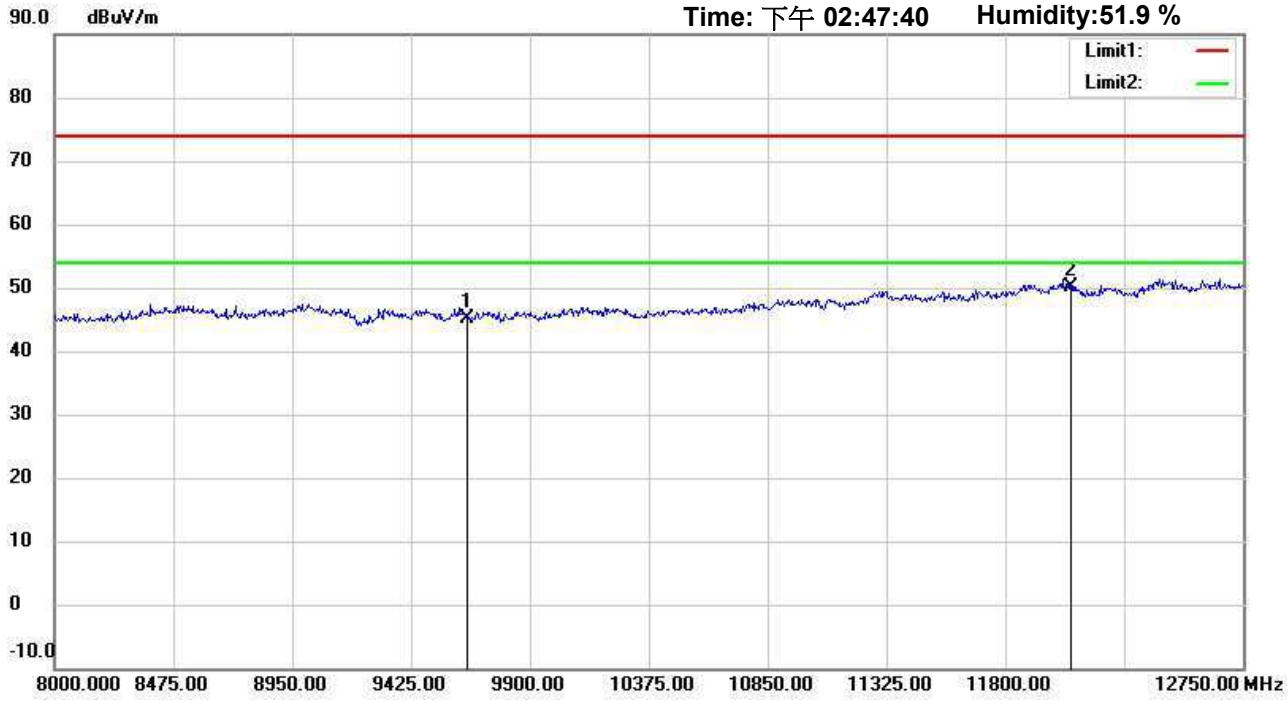
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#8 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 02:47:40 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH1
Note :

Polarization: *Vertical*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9648.000	32.09	peak	13.08	45.17	74.00	150	197	-28.83	
*	12060.000	33.33	peak	16.81	50.14	74.00	150	83	-23.86	

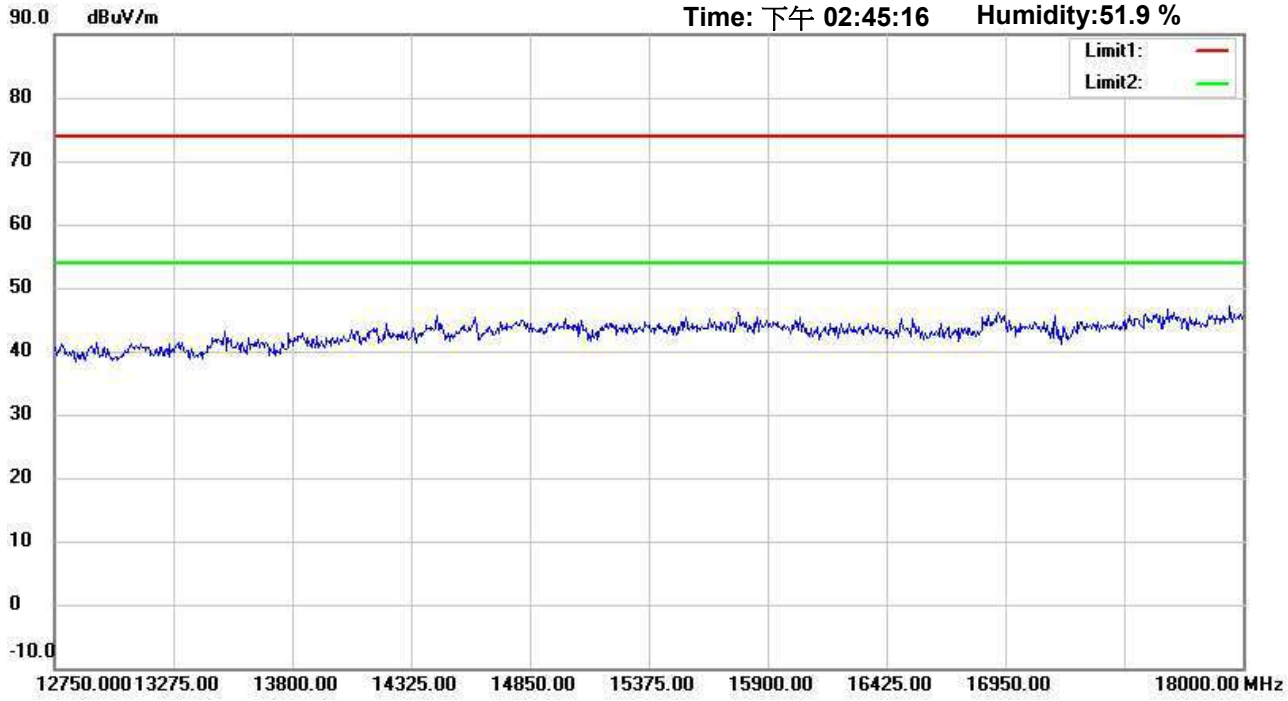
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#4 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 02:45:16 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH1
Note :

Polarization: *Horizontal*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

*:Maximum data x:Over limit !:over margin

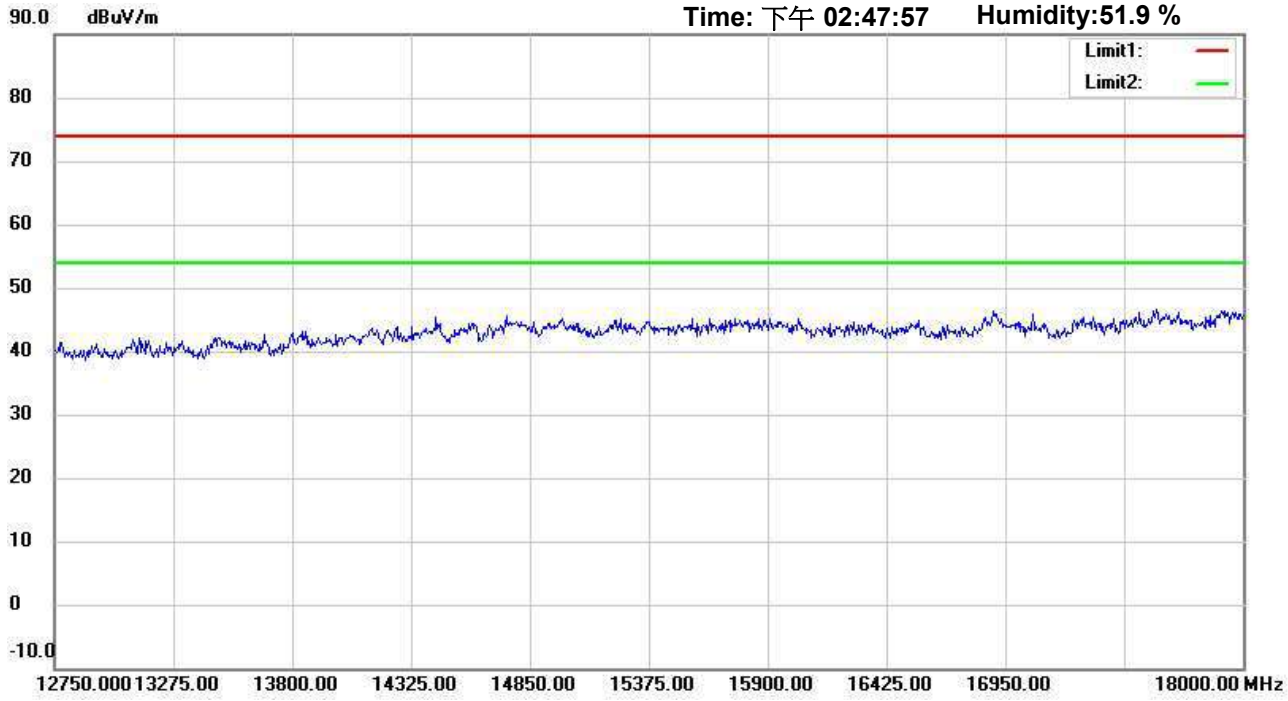
Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#9 Date: 2024/10/17 Temperature:23.3 ℃

Time: 下午 02:47:57 Humidity:51.9 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22409-23739

M/N:

Test Mode : TX 802.11b CH1

Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

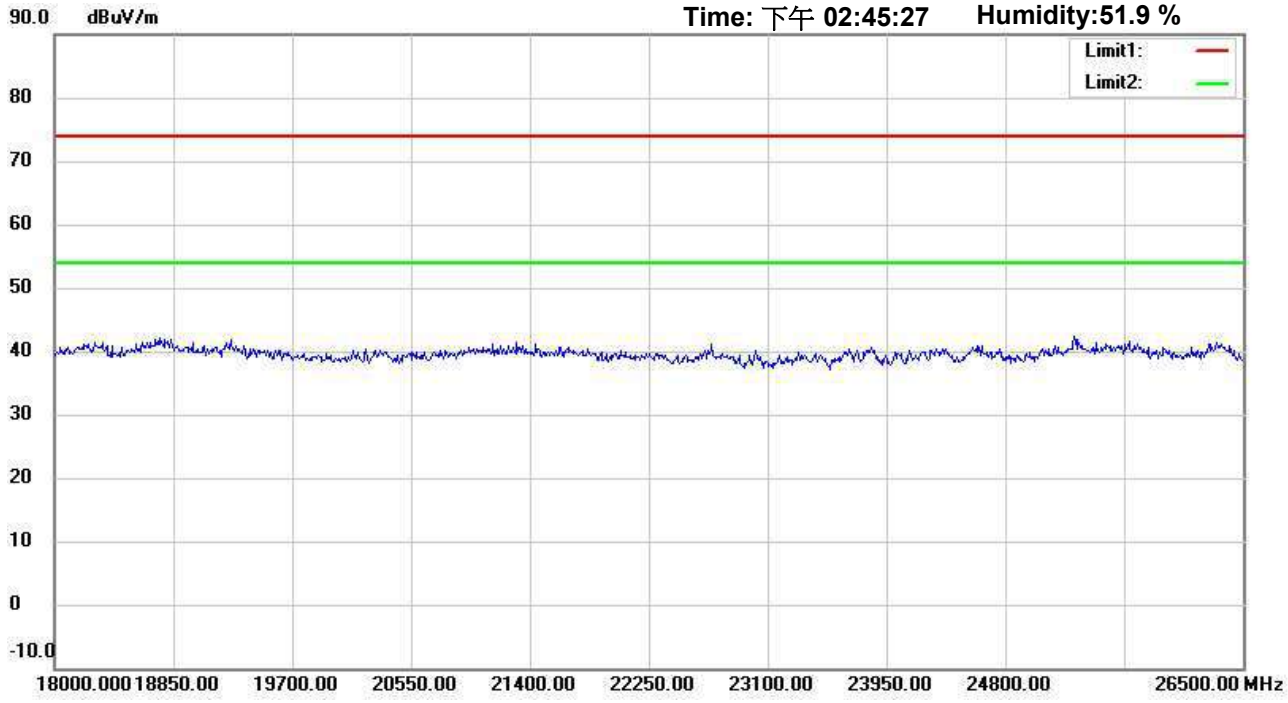
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#5 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 02:45:27 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH1
Note :

Polarization: *Horizontal*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

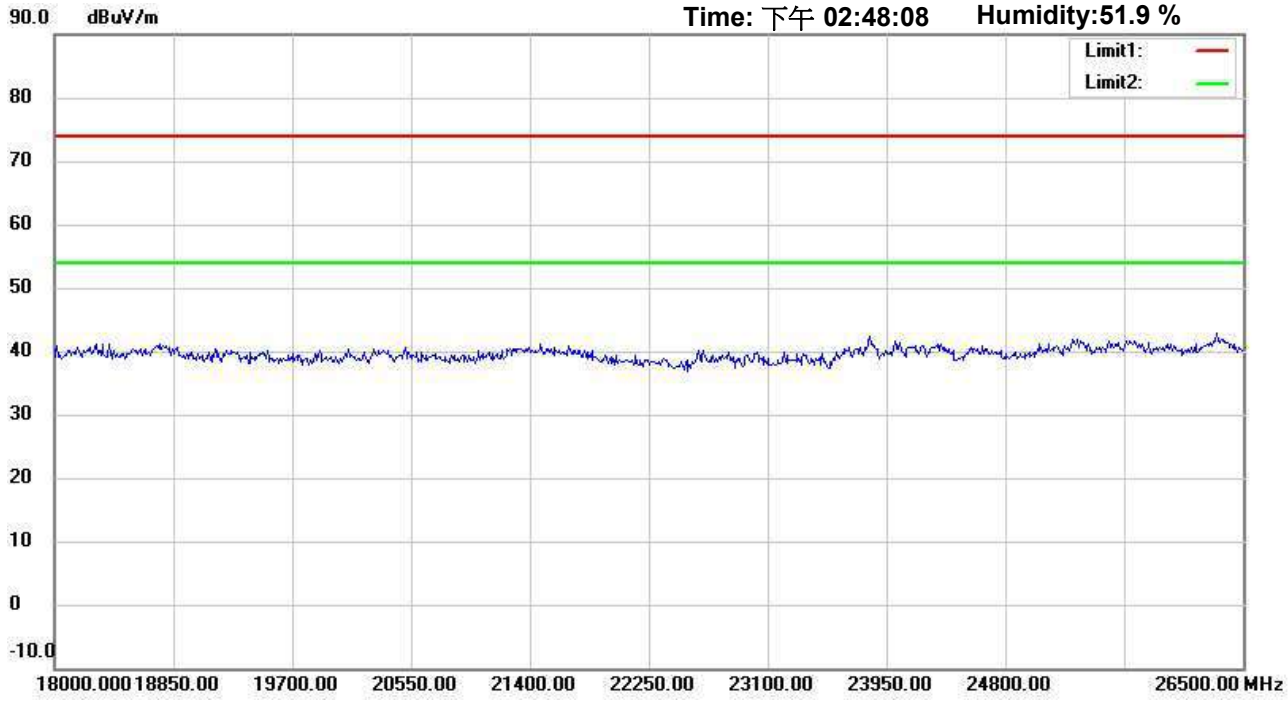
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#10 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 02:48:08 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH1
Note :

Polarization: *Vertical*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

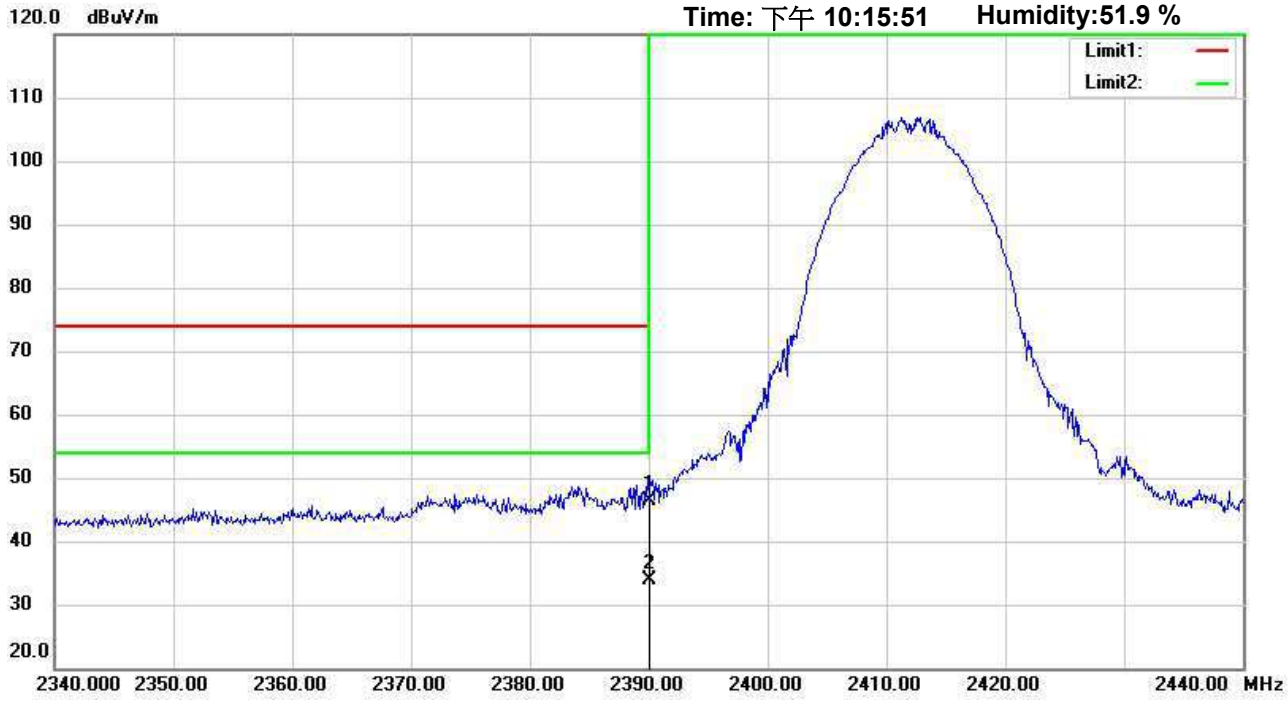
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Gino

File :Bandedge | Data :#1 | Date: 2024/10/17 | Time: 下午 10:15:51 | Temperature:23.3 ℃ | Humidity:51.9 %



Site : 966A Chamber
Condition : FCC 15.247 PK (Bandedge)
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH1
Note :

Polarization: *Horizontal*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2390.000	50.72	peak	-4.45	46.27	74.00	150	140	-27.73	
*	2390.000	38.22	AVG	-4.45	33.77	54.00	150	140	-20.23	

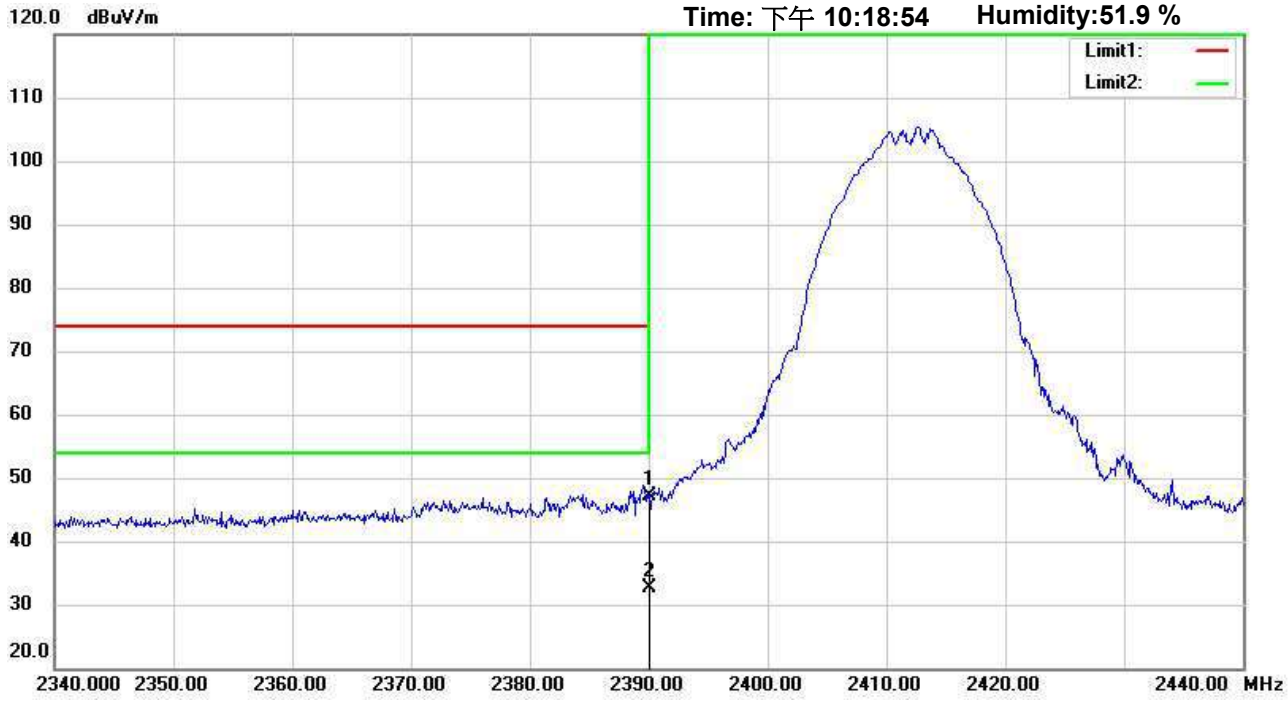
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Gino

File :Bandedge | Data :#2 | Date: 2024/10/17 | Time: 下午 10:18:54 | Temperature:23.3 ℃ | Humidity:51.9 %



Site : 966A Chamber
Condition : FCC 15.247 PK (Bandedge)
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH1
Note :

Polarization: *Vertical*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2390.000	51.46	peak	-4.45	47.01	74.00	197	90	-26.99	
*	2390.000	37.08	AVG	-4.45	32.63	54.00	197	90	-21.37	

*:Maximum data x:Over limit !:over margin

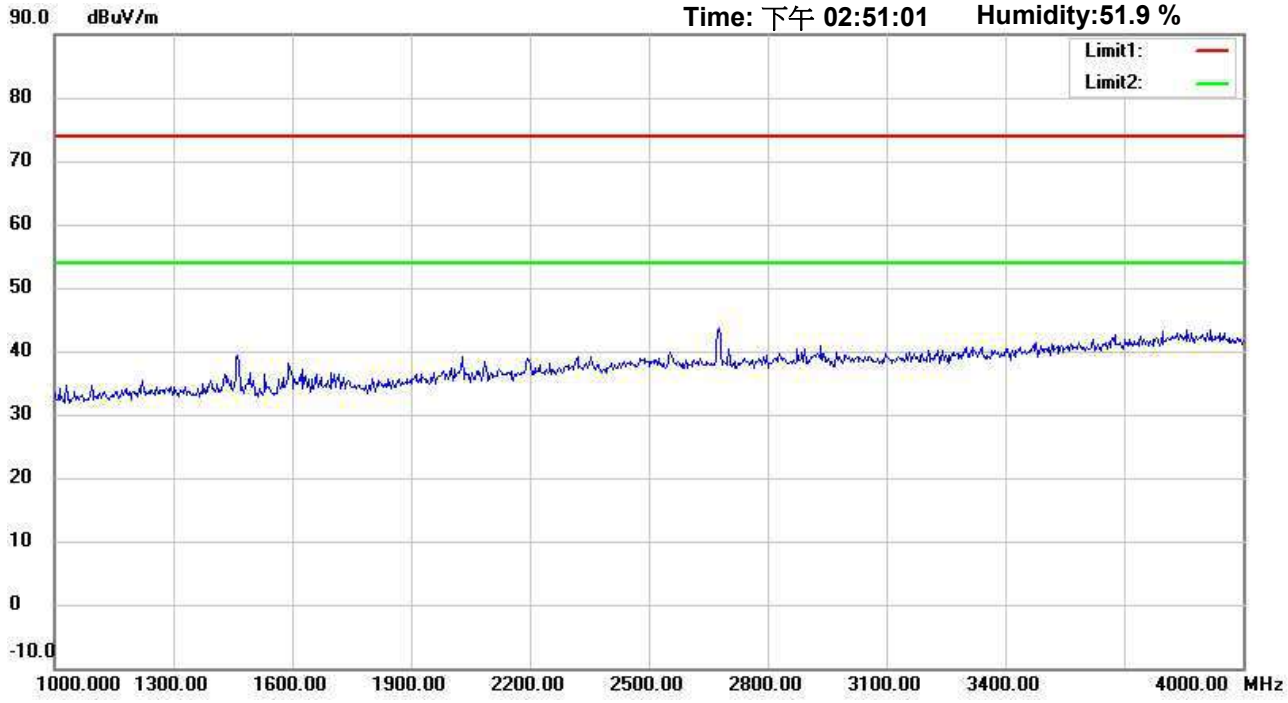
Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#1 Date: 2024/10/17 Temperature:23.3 ℃

Time: 下午 02:51:01 Humidity:51.9 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22409-23739

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH6

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

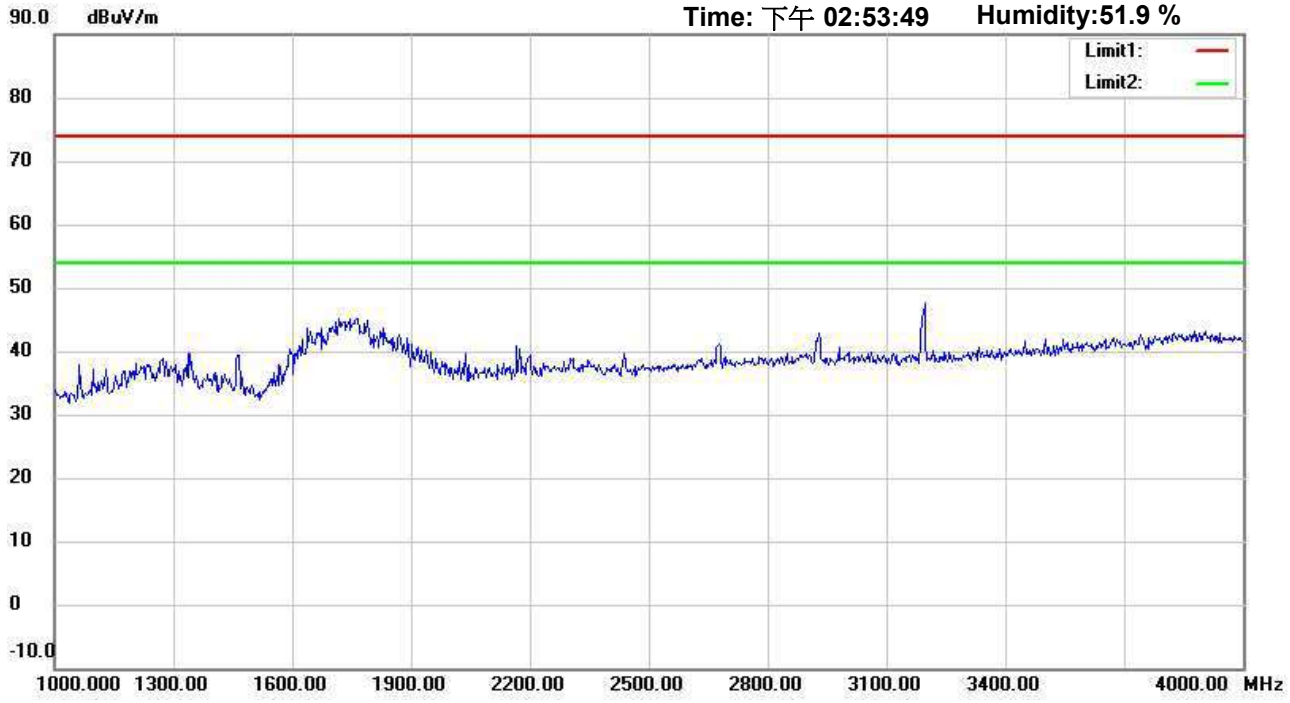
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#6 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 02:53:49 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH6
Note :

Polarization: *Vertical*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

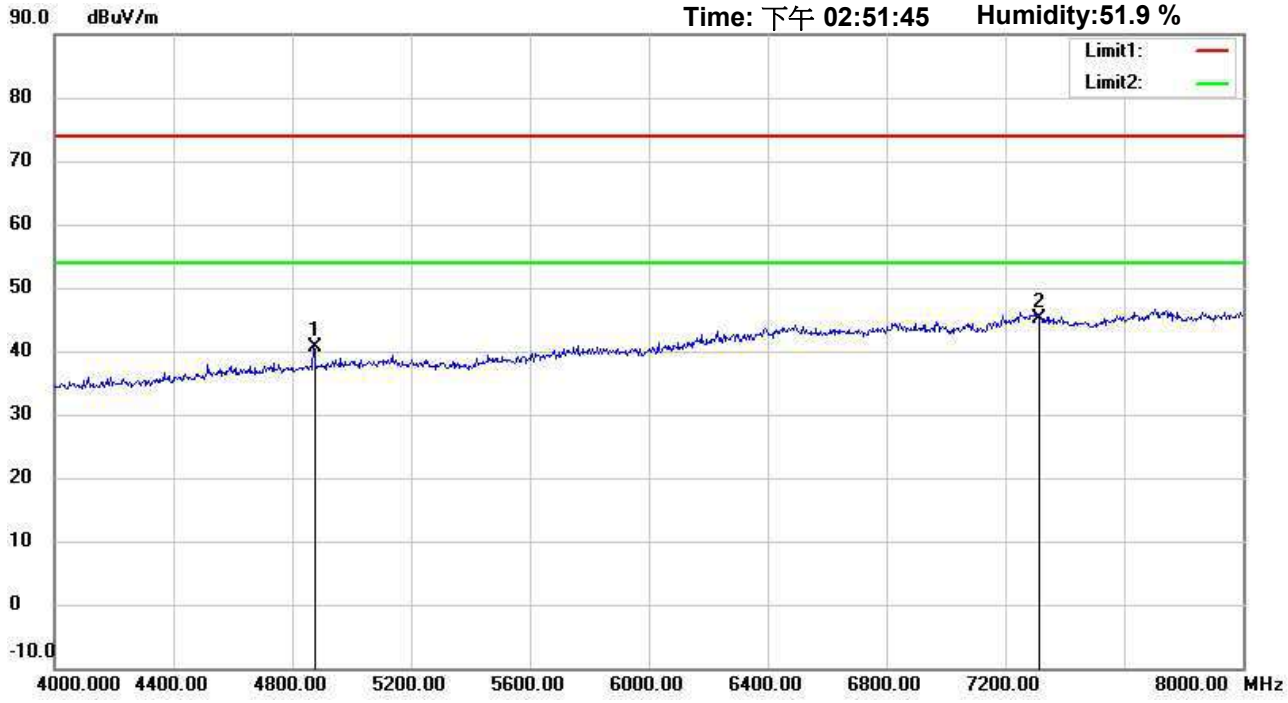
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#2 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 02:51:45 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH6
Note :

Polarization: *Horizontal*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4874.000	35.65	peak	4.89	40.54	74.00	150	57	-33.46	
*	7311.000	33.05	peak	12.20	45.25	74.00	150	44	-28.75	

*:Maximum data x:Over limit !:over margin

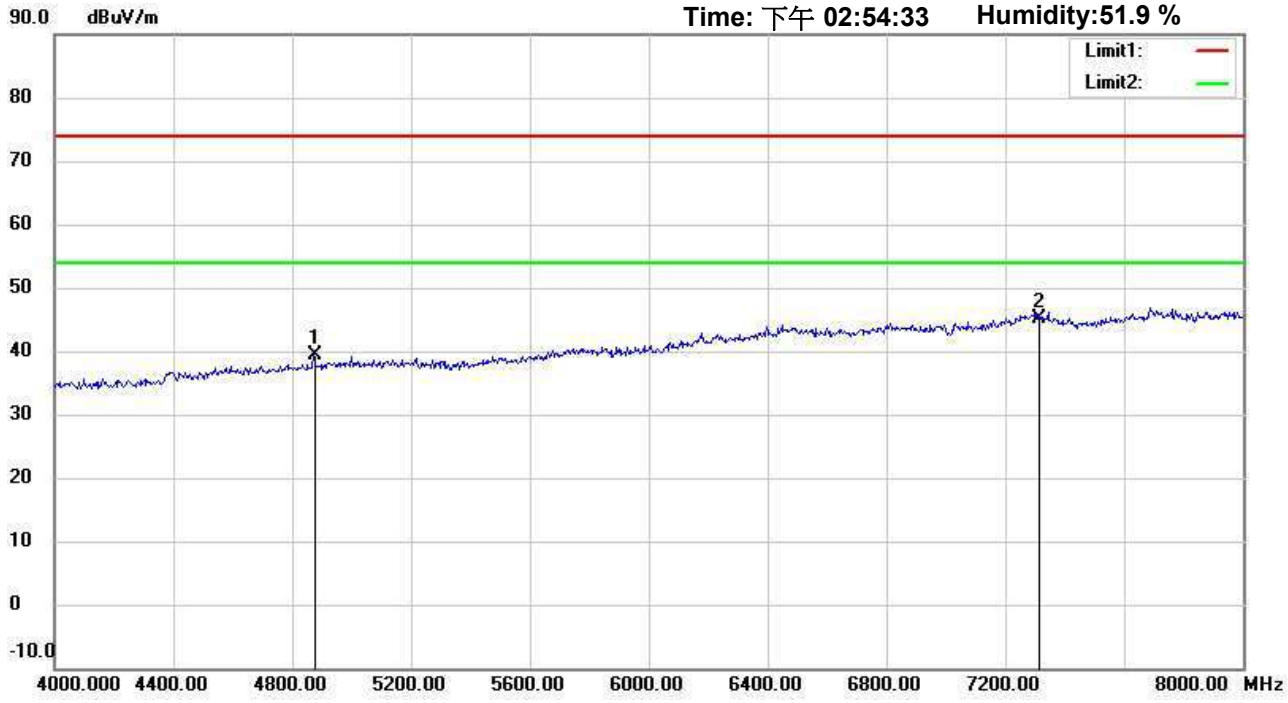
Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 **Data :#7** **Date: 2024/10/17** **Temperature:23.3 ℃**

Time: 下午 02:54:33 **Humidity:51.9 %**



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK **Polarization: *Vertical***

EUT : W6M22409-23739 **Power : 120 Va.c.**

M/N: **Distance: 3m**

Test Mode : TX 802.11b CH6

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4874.000	34.49	peak	4.89	39.38	74.00	150	141	-34.62	
*	7311.000	32.96	peak	12.20	45.16	74.00	150	194	-28.84	

*:Maximum data x:Over limit !:over margin

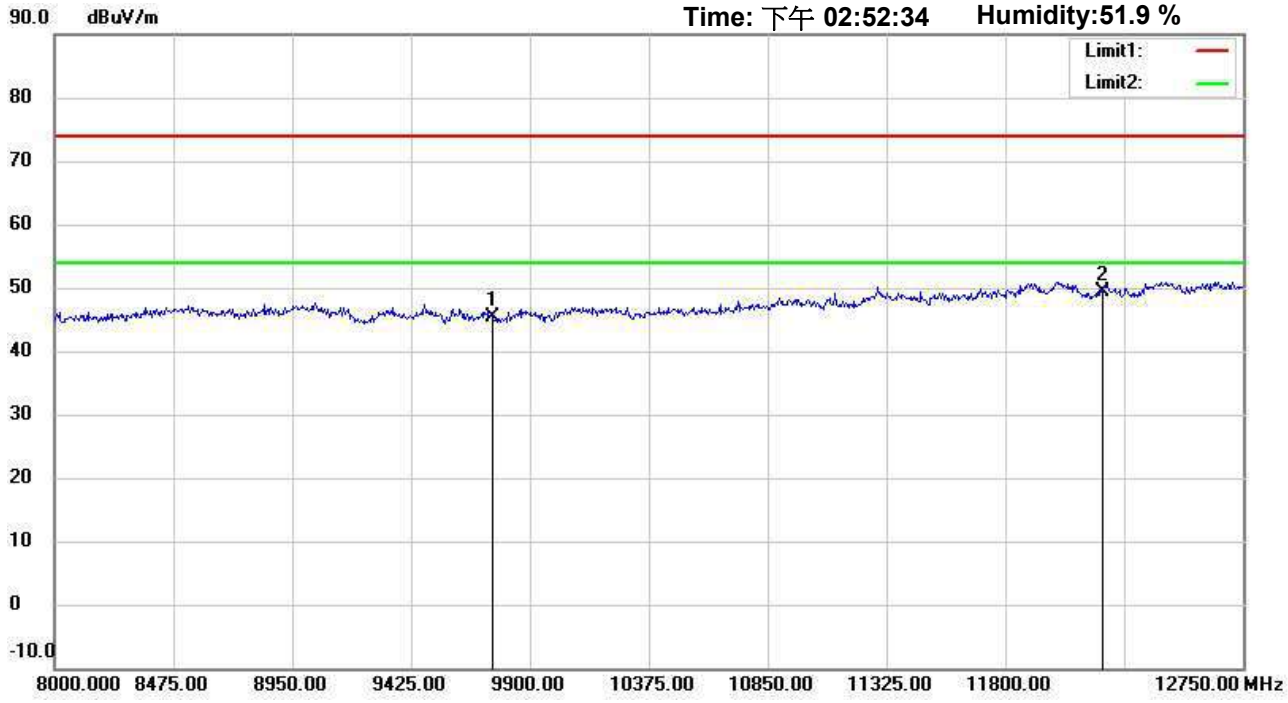
Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#3 Date: 2024/10/17 Temperature:23.3 ℃

Time: 下午 02:52:34 Humidity:51.9 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22409-23739

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH6

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9748.000	31.98	peak	13.31	45.29	74.00	150	189	-28.71	
*	12185.000	32.39	peak	17.10	49.49	74.00	150	242	-24.51	

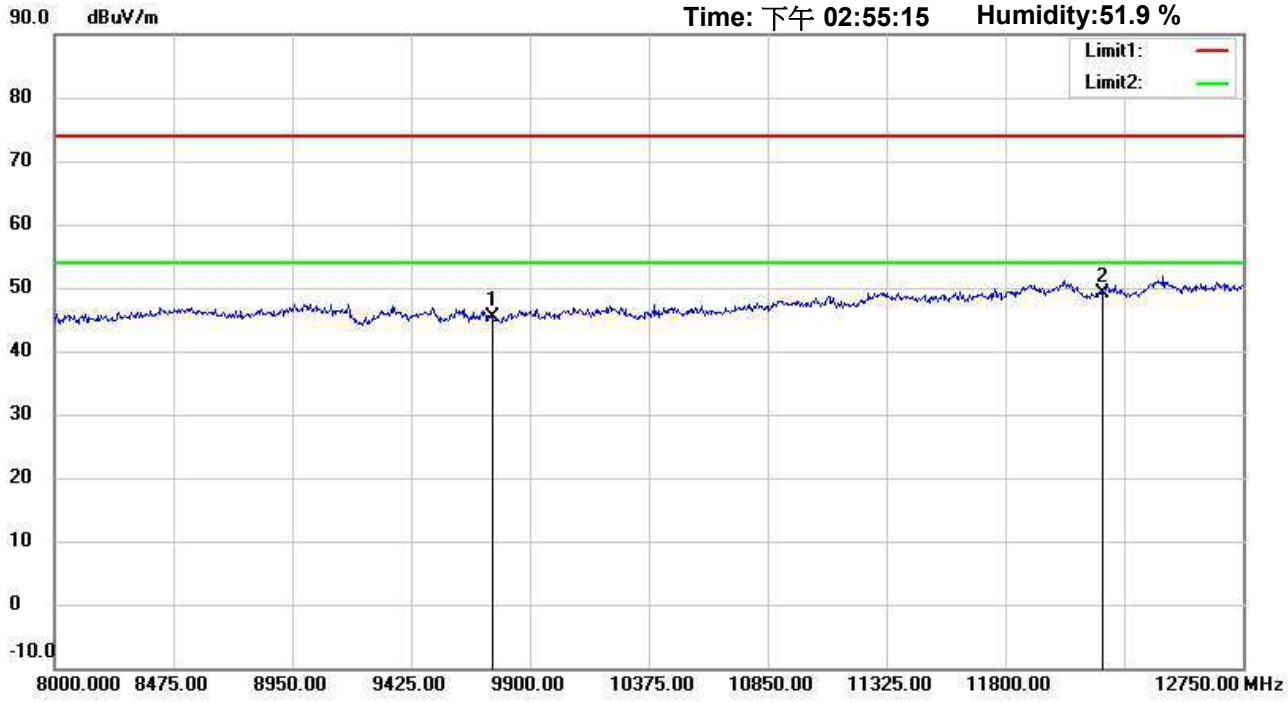
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#8 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 02:55:15 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH6
Note :

Polarization: *Vertical*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9748.000	32.01	peak	13.31	45.32	74.00	150	32	-28.68	
*	12185.000	32.01	peak	17.10	49.11	74.00	150	304	-24.89	

*:Maximum data x:Over limit !:over margin

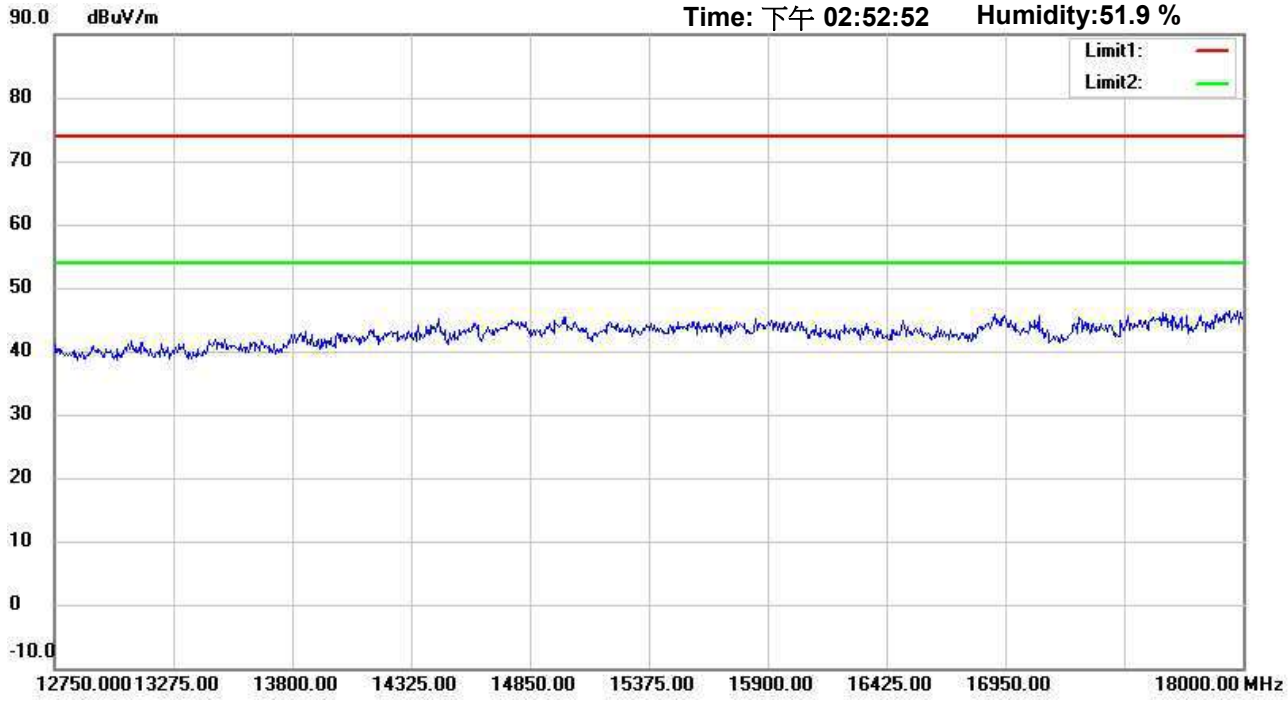
Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#4 Date: 2024/10/17 Temperature:23.3 ℃

Time: 下午 02:52:52 Humidity:51.9 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22409-23739

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH6

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

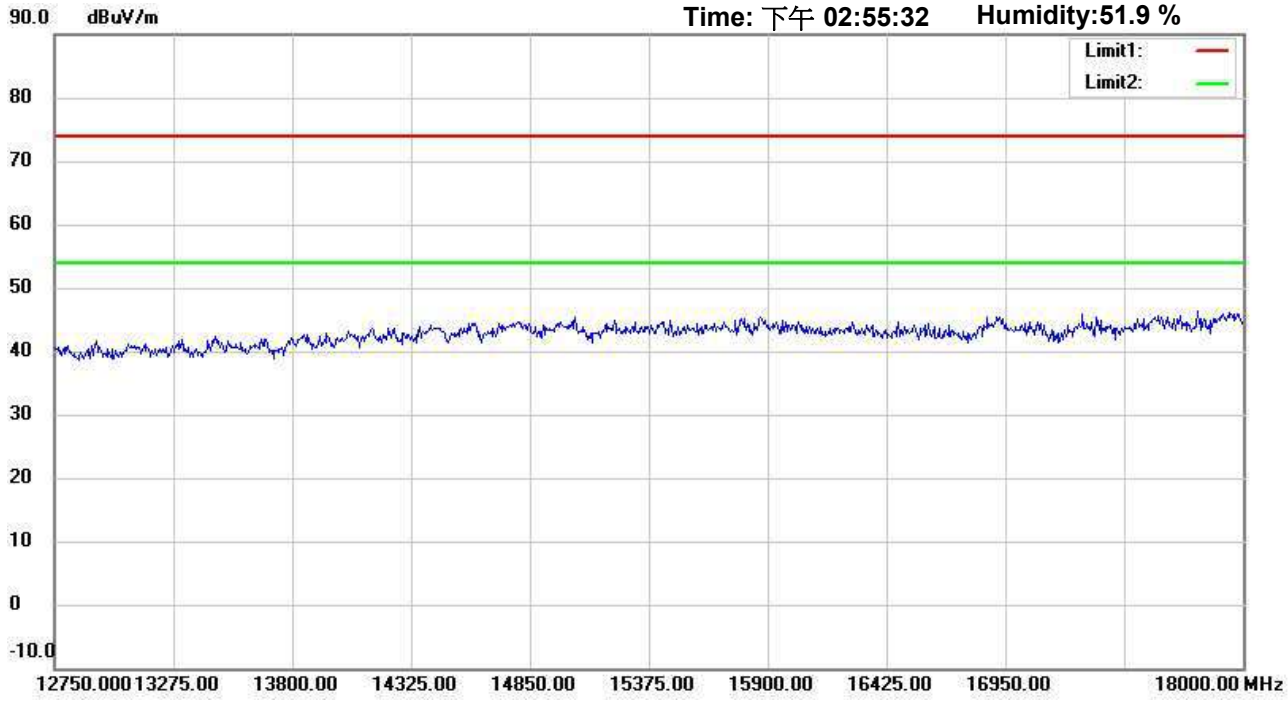
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#9 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 02:55:32 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH6
Note :

Polarization: *Vertical*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

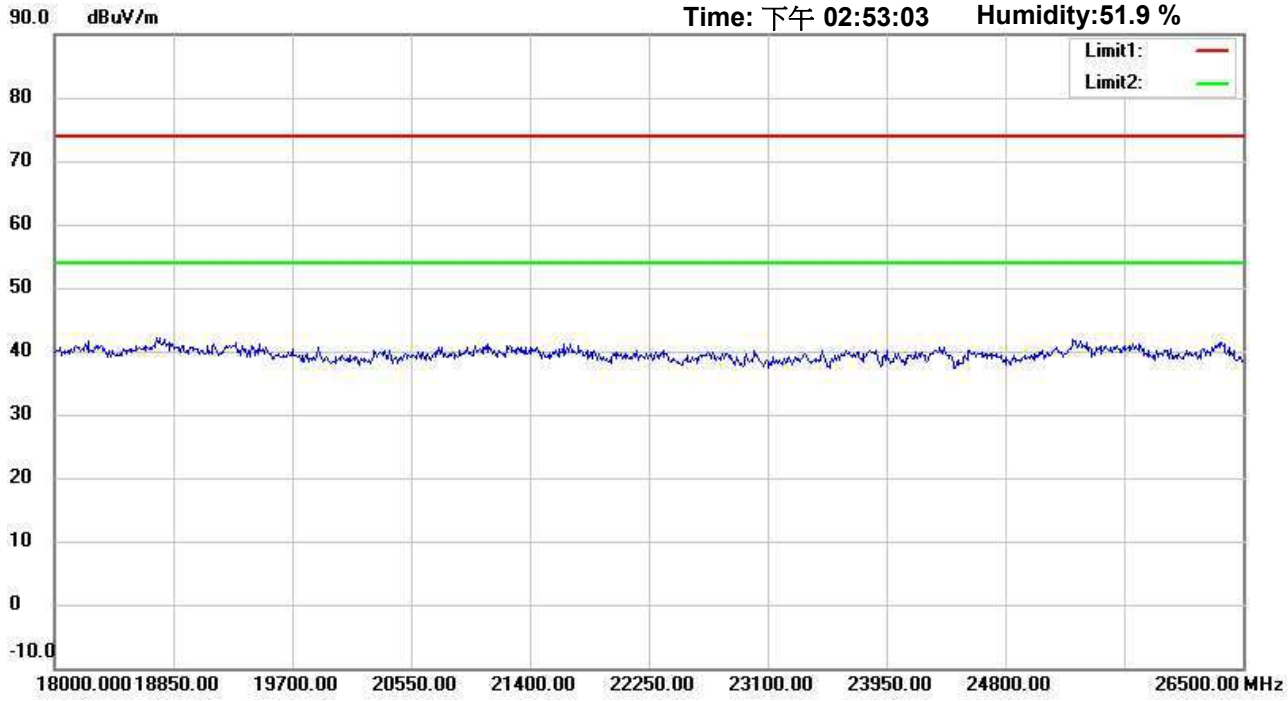
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#5 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 02:53:03 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH6
Note :

Polarization: *Horizontal*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

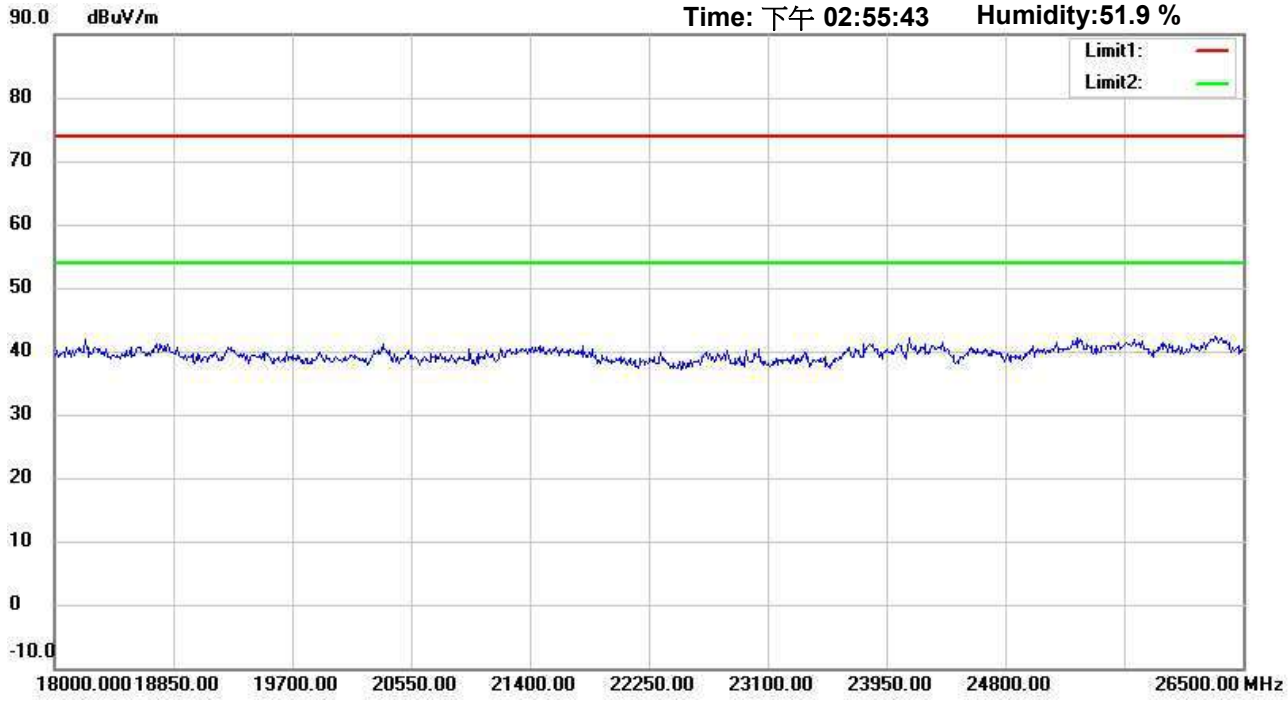
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#10 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 02:55:43 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH6
Note :

Polarization: *Vertical*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

*:Maximum data x:Over limit !:over margin

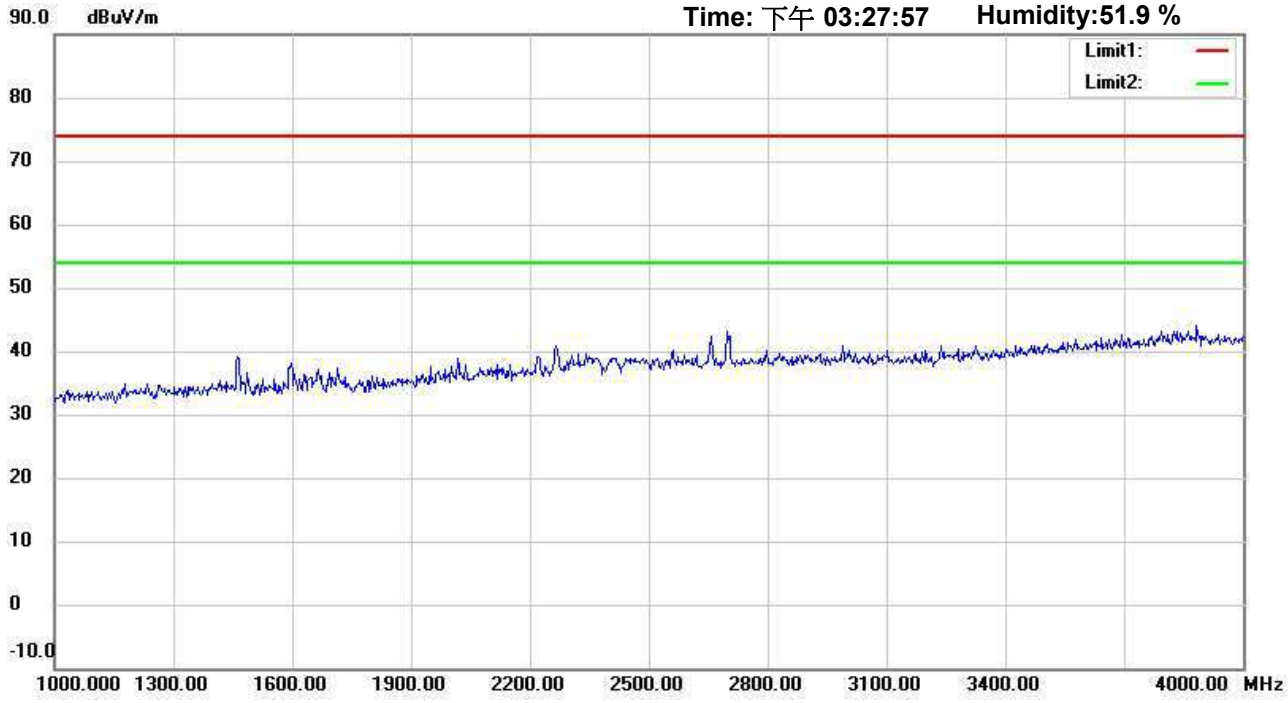
Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#1 Date: 2024/10/17 Temperature:23.3 ℃

Time: 下午 03:27:57 Humidity:51.9 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22409-23739

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH11

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

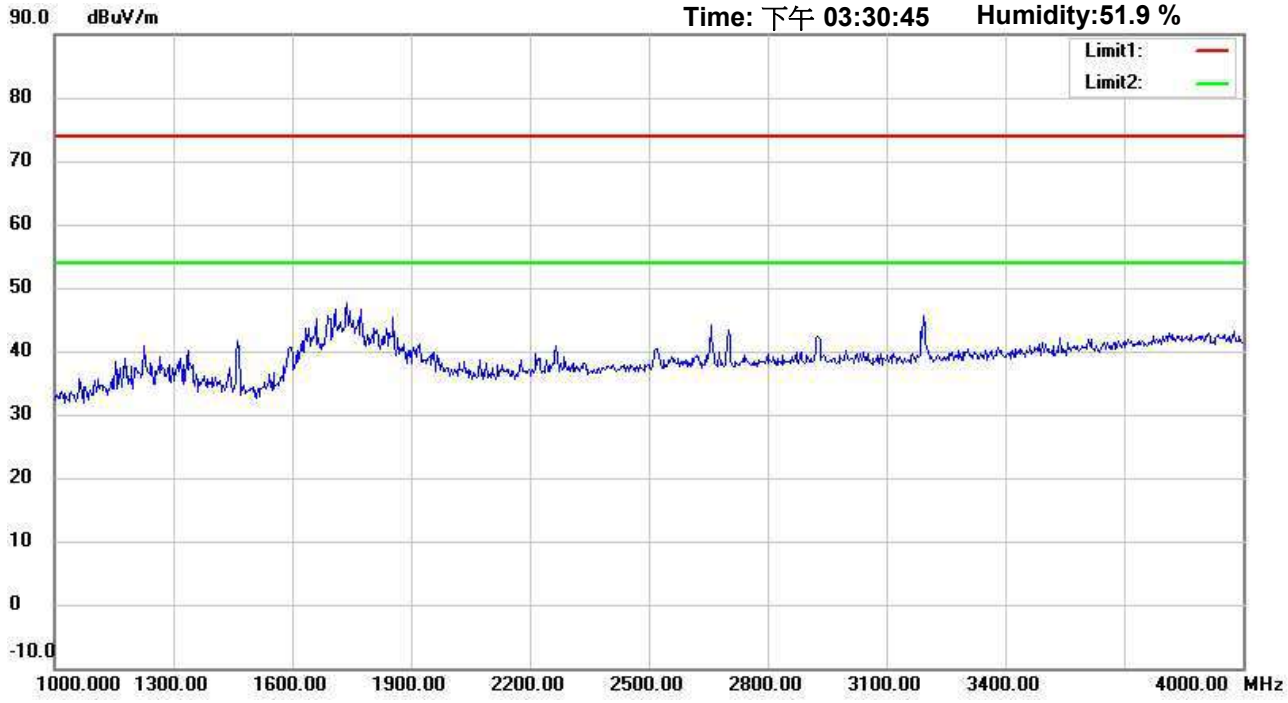
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#6 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 03:30:45 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH11
Note :

Polarization: *Vertical*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

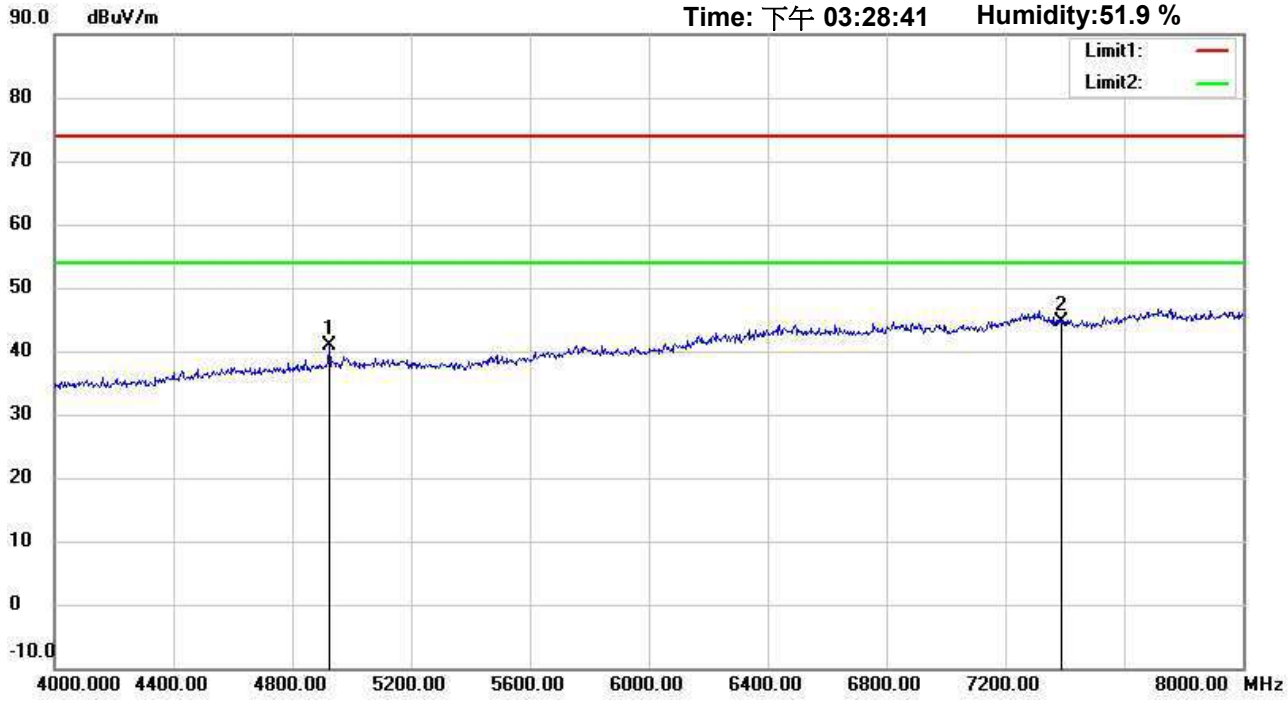
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#2 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 03:28:41 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH11
Note :

Polarization: *Horizontal*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4924.000	35.77	peak	5.13	40.90	74.00	150	73	-33.10	
*	7386.000	32.66	peak	12.06	44.72	74.00	150	359	-29.28	

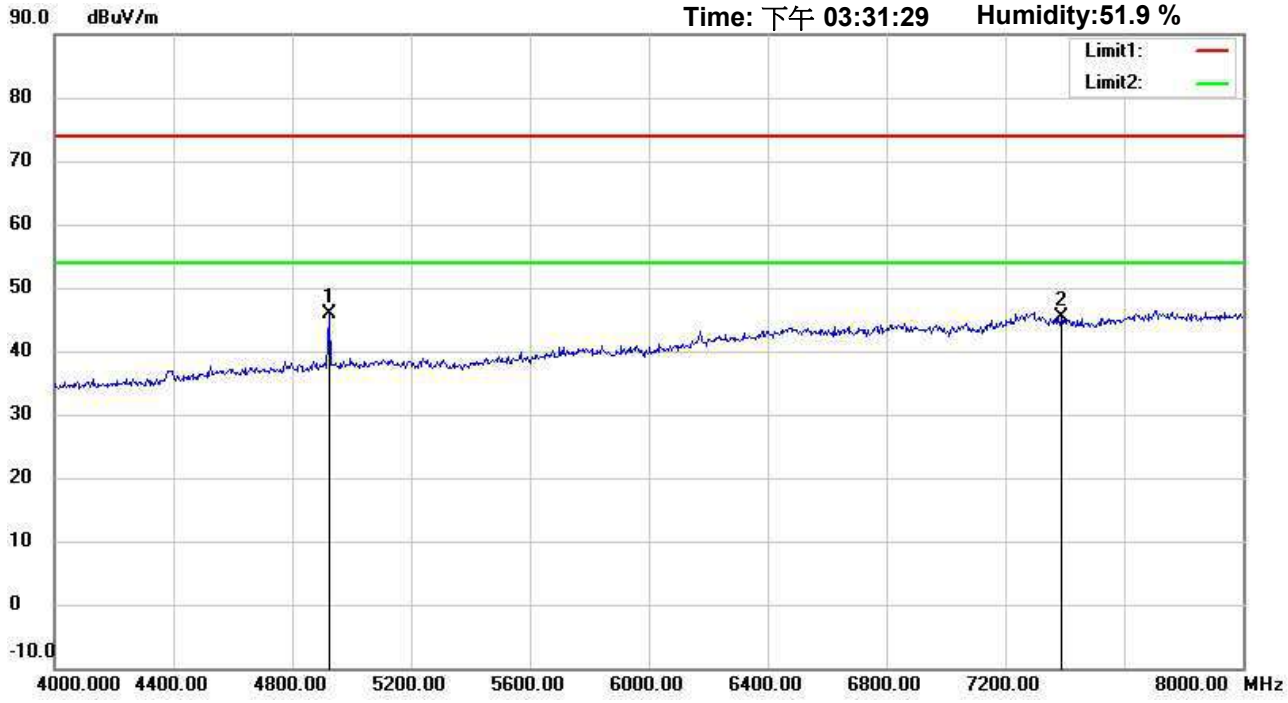
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#7 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 03:31:29 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH11
Note :

Polarization: *Vertical*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	4924.000	40.65	peak	5.13	45.78	74.00	150	201	-28.22	
	7386.000	33.40	peak	12.06	45.46	74.00	150	0	-28.54	

*:Maximum data x:Over limit !:over margin

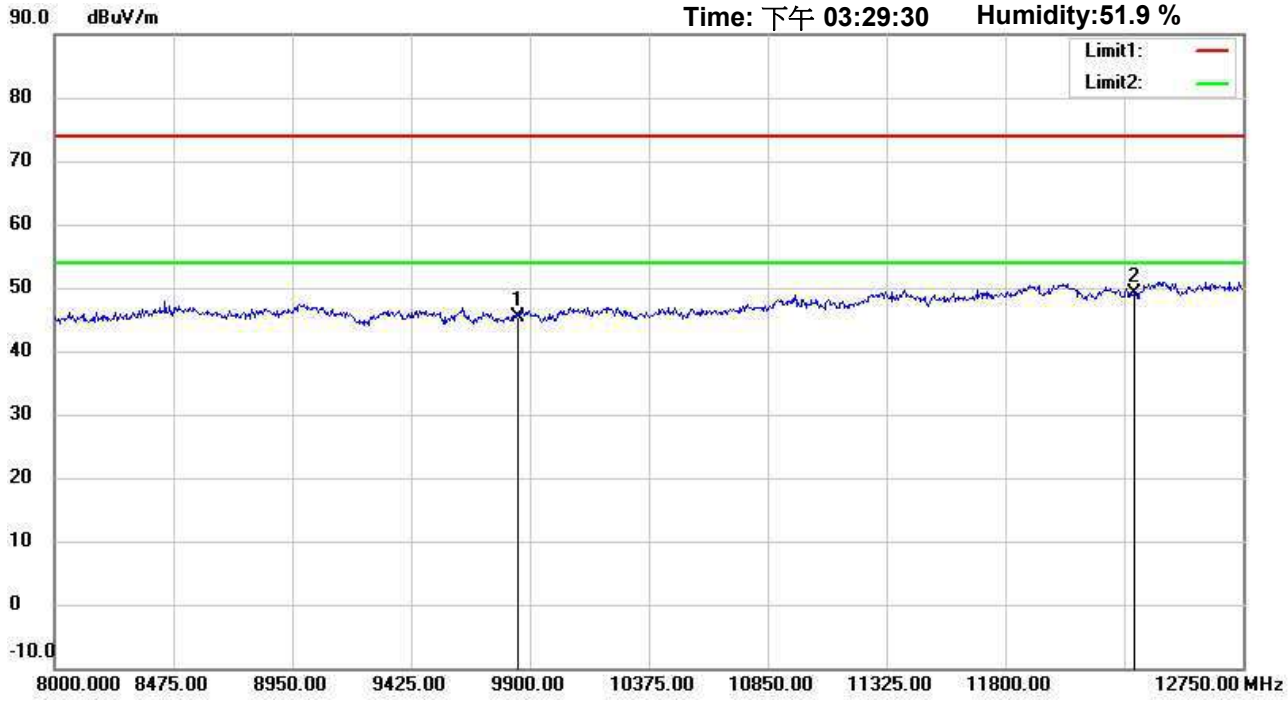
Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#3 Date: 2024/10/17 Temperature:23.3 ℃

Time: 下午 03:29:30 Humidity:51.9 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22409-23739

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH11

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9848.000	31.95	peak	13.50	45.45	74.00	150	63	-28.55	
*	12310.000	32.84	peak	16.30	49.14	74.00	150	168	-24.86	

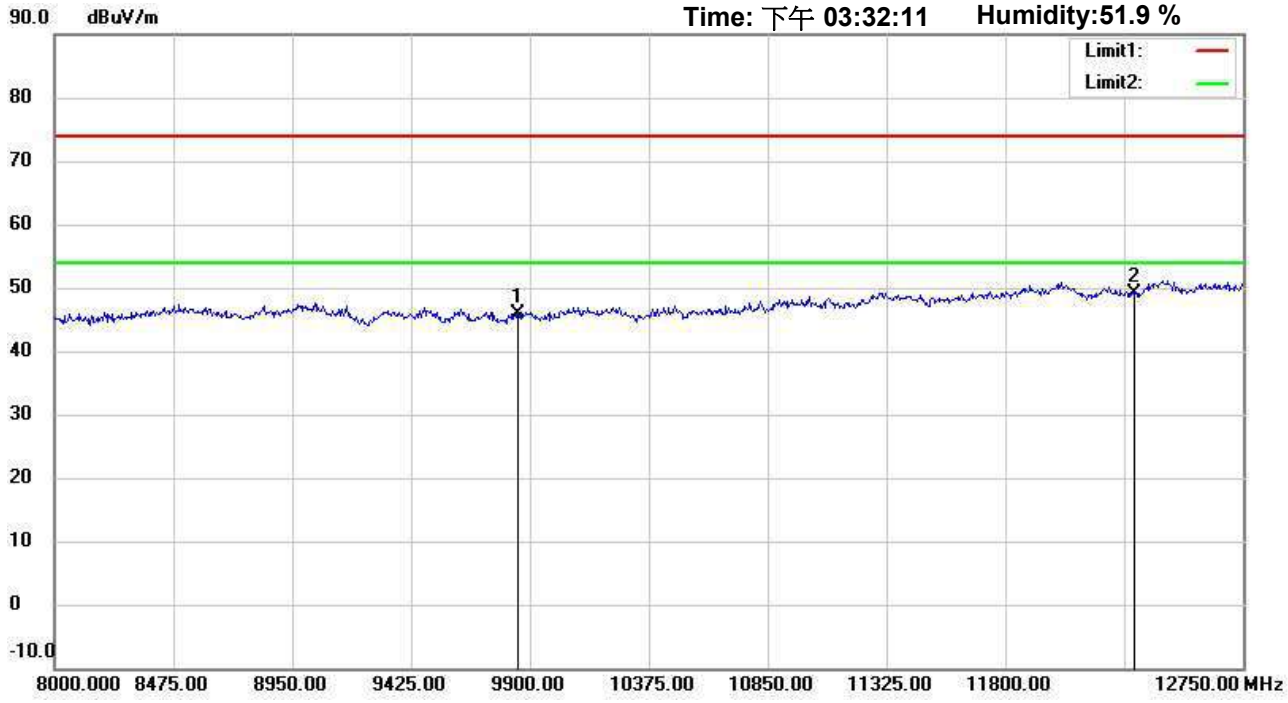
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#8 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 03:32:11 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH11
Note :

Polarization: *Vertical*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9848.000	32.37	peak	13.50	45.87	74.00	150	185	-28.13	
*	12310.000	32.72	peak	16.30	49.02	74.00	150	137	-24.98	

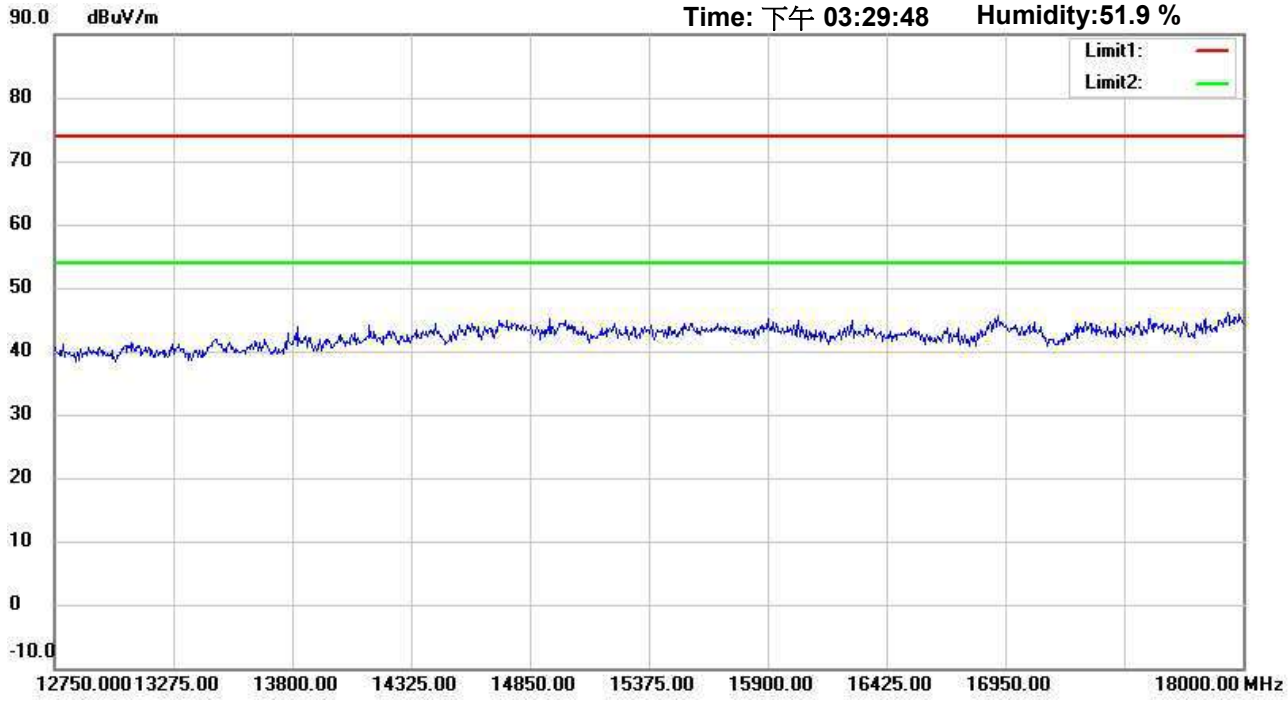
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#4 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 03:29:48 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH11
Note :

Polarization: *Horizontal*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

*:Maximum data x:Over limit !:over margin

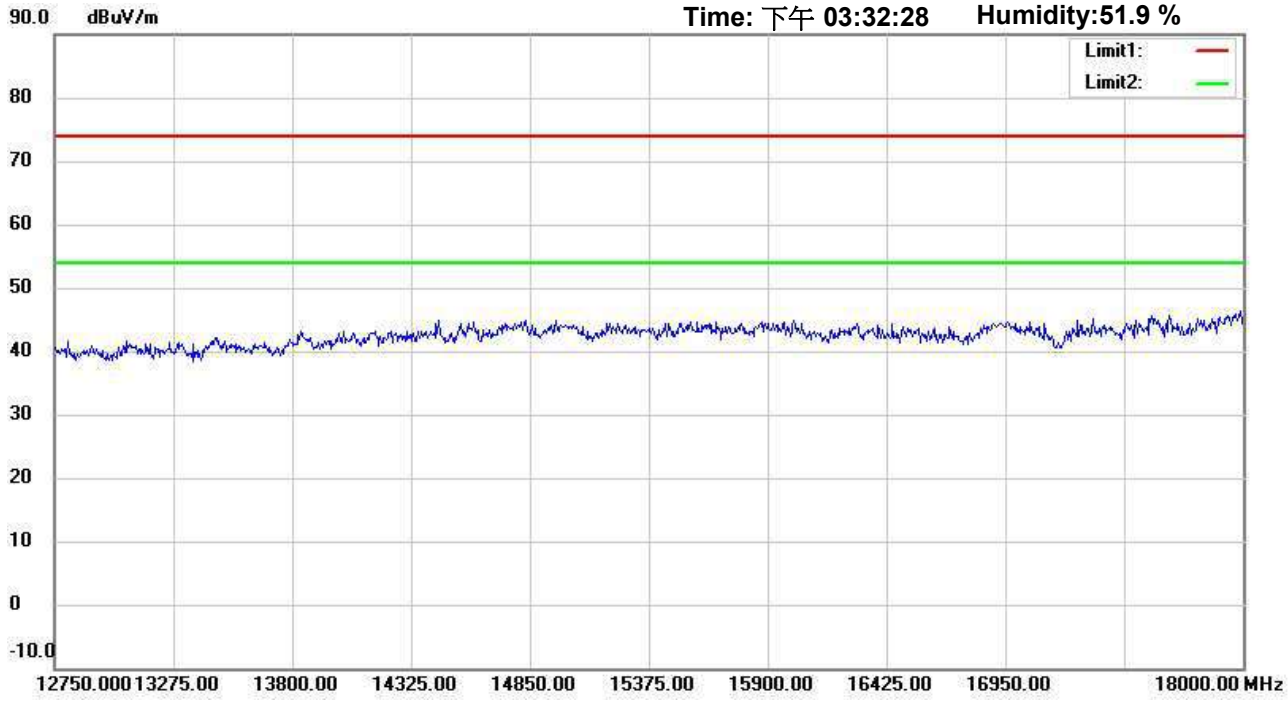
Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#9 Date: 2024/10/17 Temperature:23.3 ℃

Time: 下午 03:32:28 Humidity:51.9 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22409-23739

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH11

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

*:Maximum data x:Over limit !:over margin

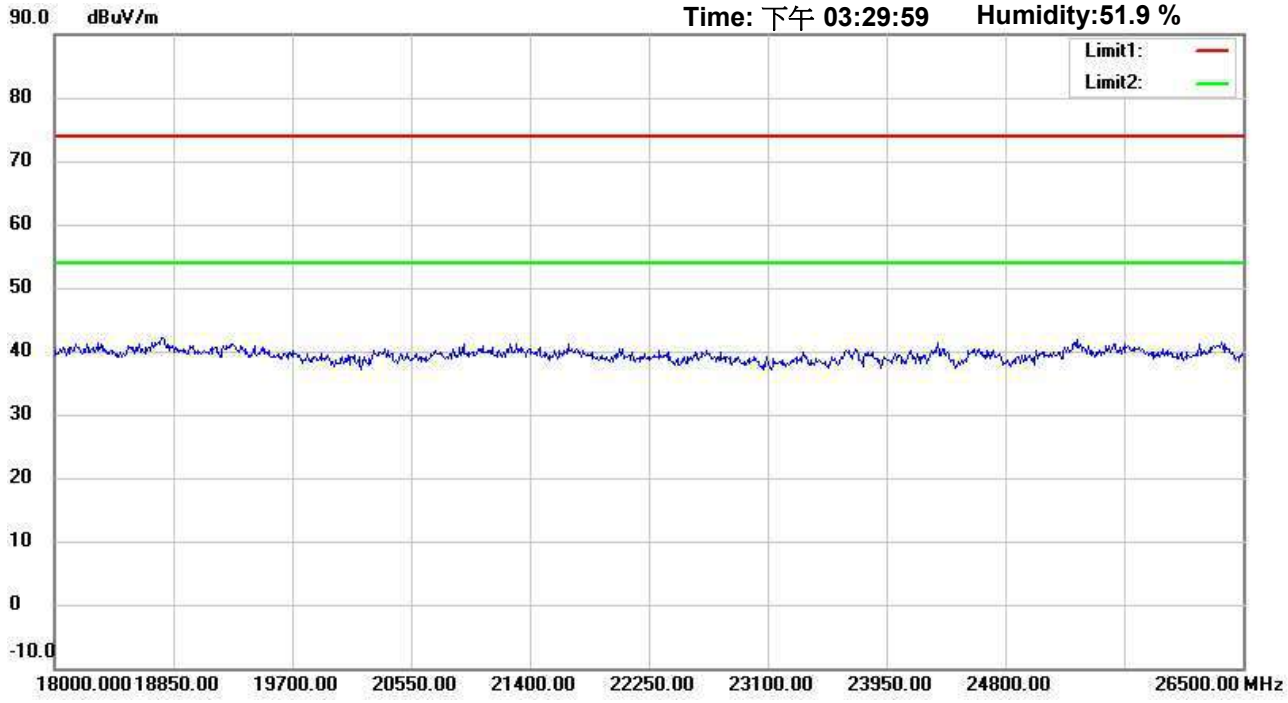
Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#5 Date: 2024/10/17 Temperature:23.3 ℃

Time: 下午 03:29:59 Humidity:51.9 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22409-23739

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH11

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

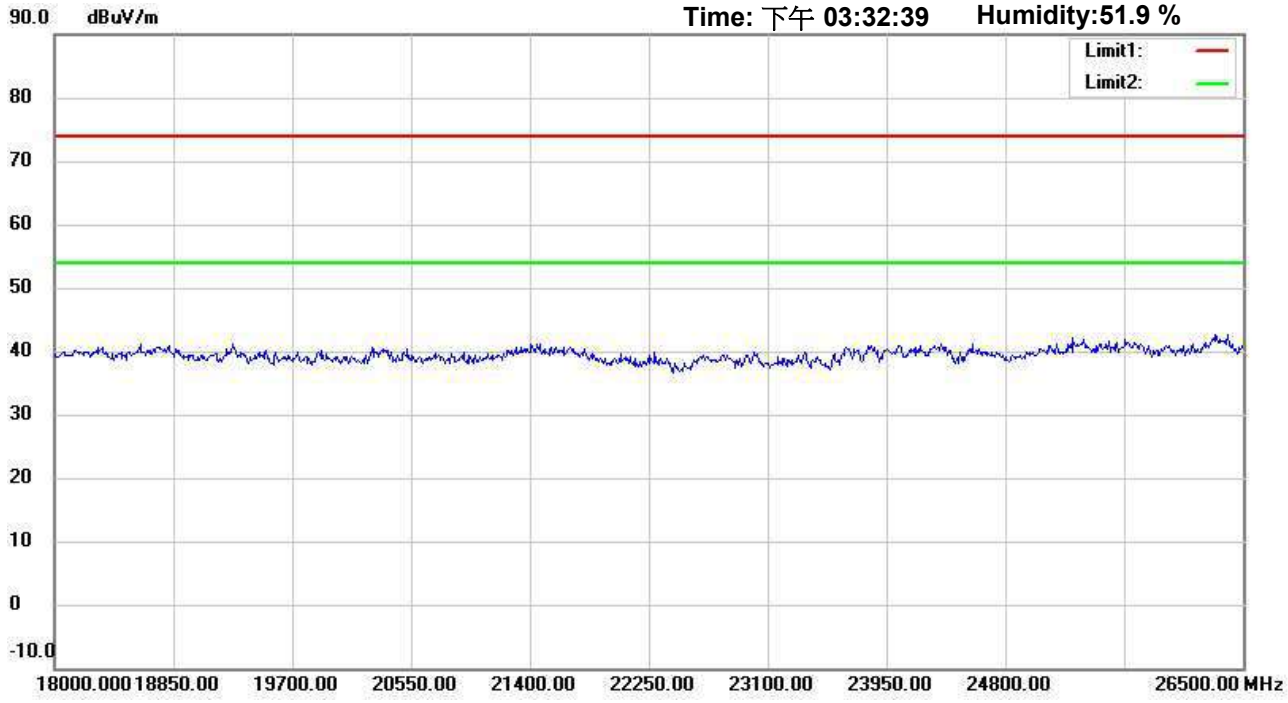
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#10 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 03:32:39 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH11
Note :

Polarization: *Vertical*
Power : 120 Va.c.
Distance: 3m

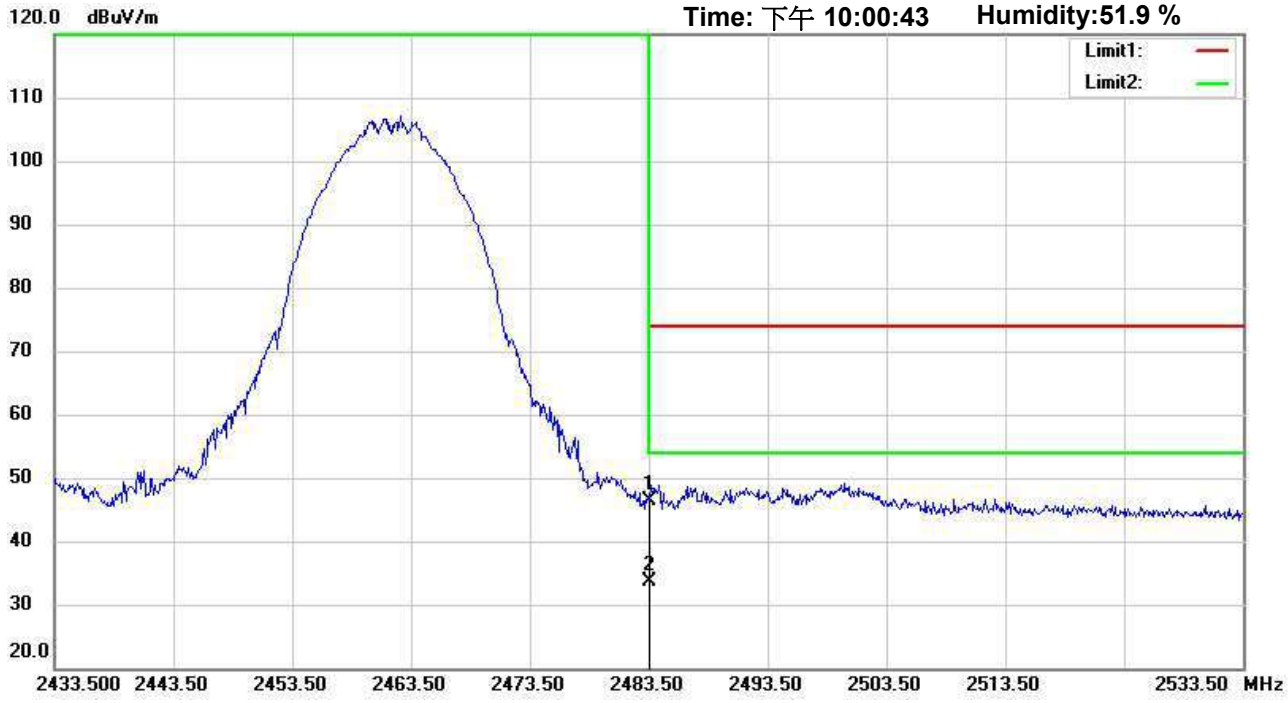
Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Gino
File :Bandedge Data :#1 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 10:00:43 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC 15.247 PK (Bandedge)
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH11
Note :

Polarization: *Horizontal*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2483.500	50.76	peak	-4.30	46.46	74.00	150	115	-27.54	
*	2483.500	37.87	AVG	-4.30	33.57	54.00	150	115	-20.43	

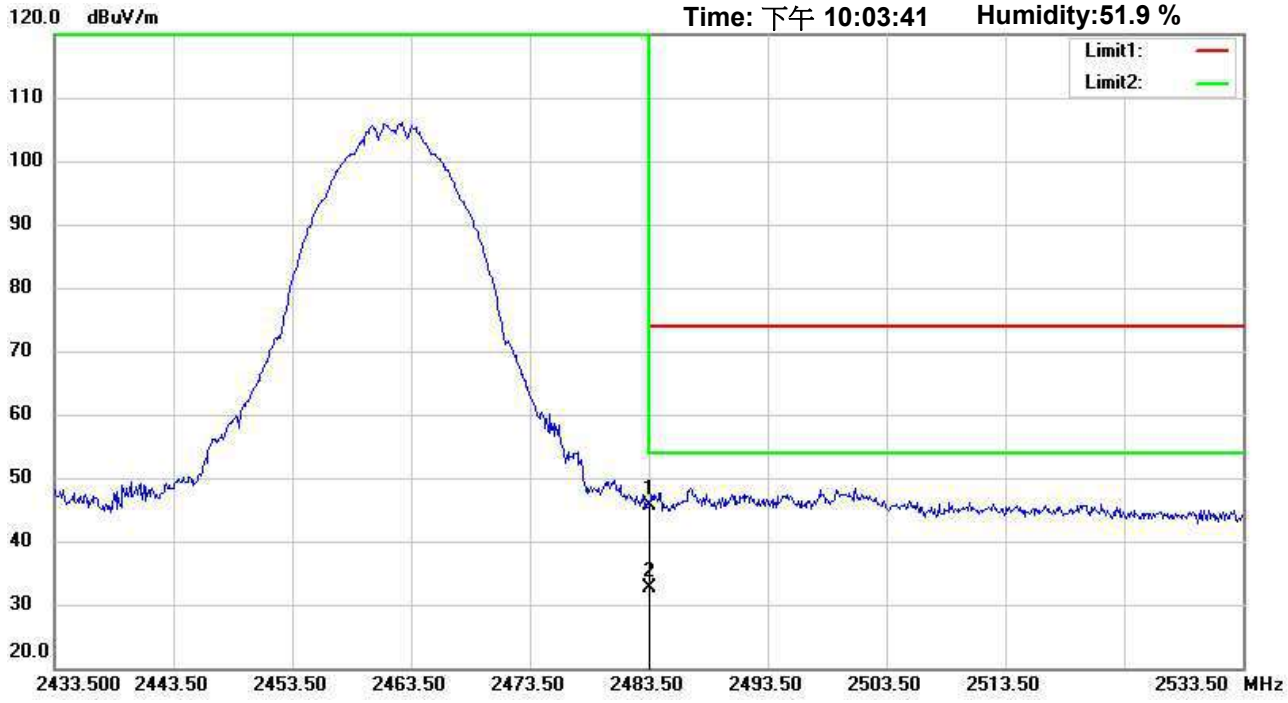
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Gino

File :Bandedge Data :#2 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 10:03:41 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC 15.247 PK (Bandedge)
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH11
Note :

Polarization: *Vertical*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2483.500	49.99	peak	-4.30	45.69	74.00	194	100	-28.31	
*	2483.500	36.87	AVG	-4.30	32.57	54.00	194	100	-21.43	

*:Maximum data x:Over limit !:over margin

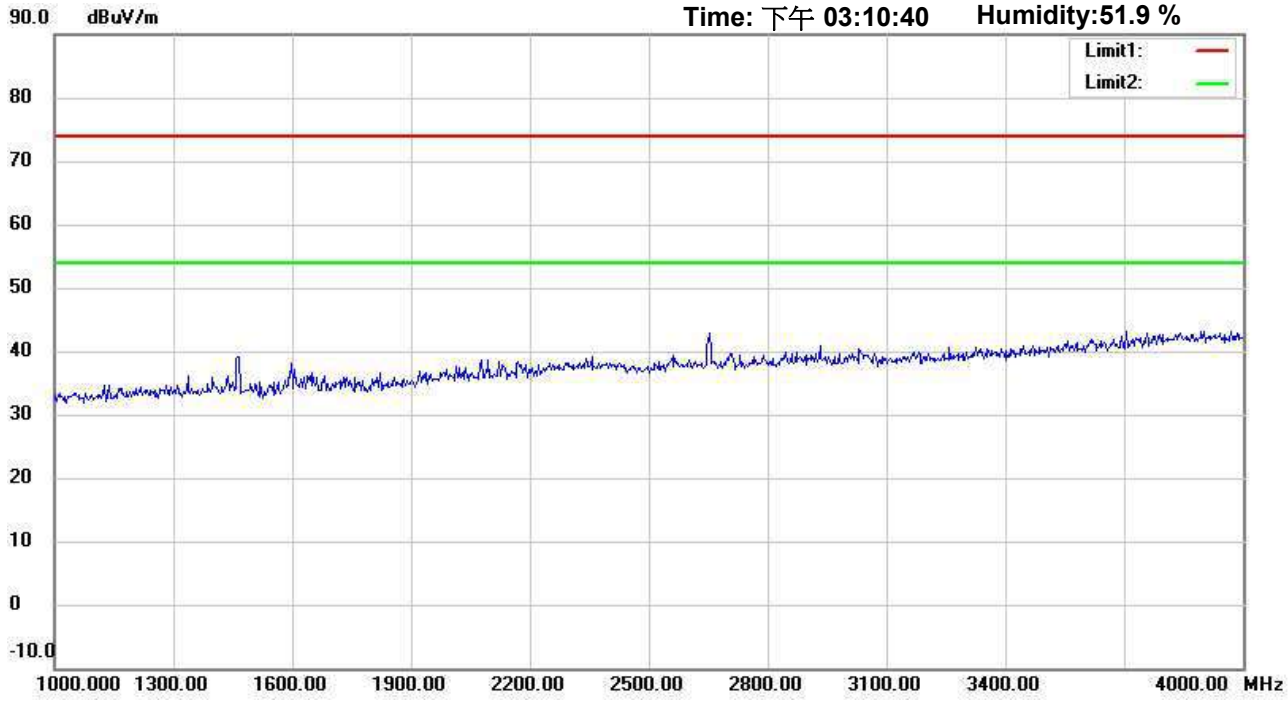
Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#1 Date: 2024/10/17 Temperature:23.3 ℃

Time: 下午 03:10:40 Humidity:51.9 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22409-23739

M/N:

Test Mode : TX 802.11b CH1

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

*:Maximum data x:Over limit !:over margin

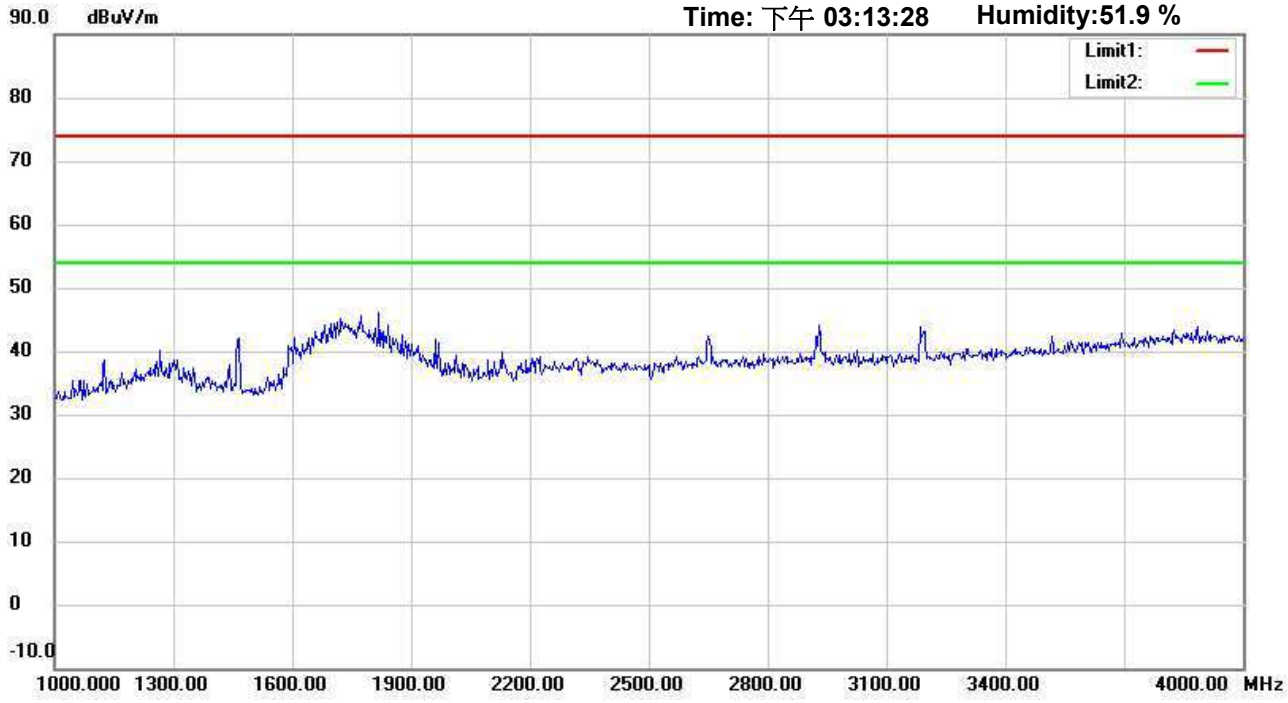
Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#6 Date: 2024/10/17 Temperature:23.3 ℃

Time: 下午 03:13:28 Humidity:51.9 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22409-23739

M/N:

Test Mode : TX 802.11b CH1

Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

*:Maximum data x:Over limit !:over margin

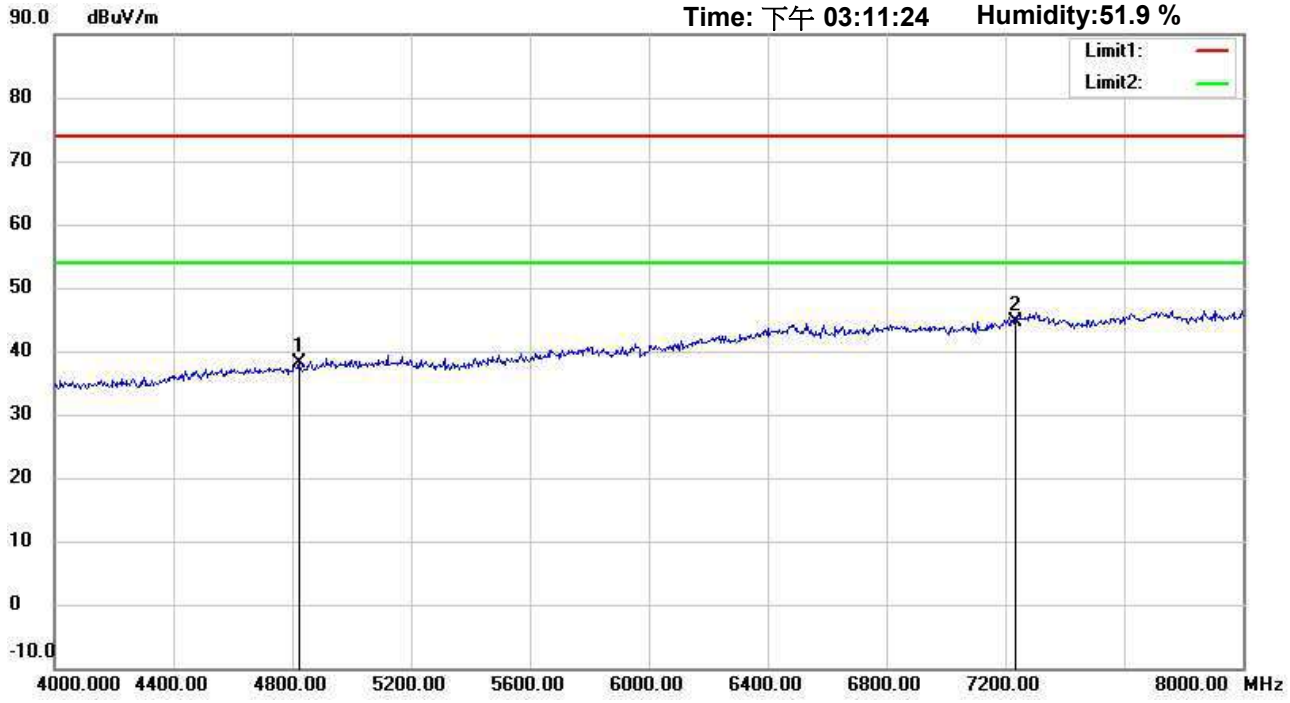
Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#2 Date: 2024/10/17 Temperature:23.3 ℃

Time: 下午 03:11:24 Humidity:51.9 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22409-23739

M/N:

Test Mode : TX 802.11b CH1

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4824.000	33.42	peak	4.63	38.05	74.00	150	73	-35.95	
*	7236.000	32.79	peak	11.73	44.52	74.00	150	212	-29.48	

*:Maximum data x:Over limit !:over margin

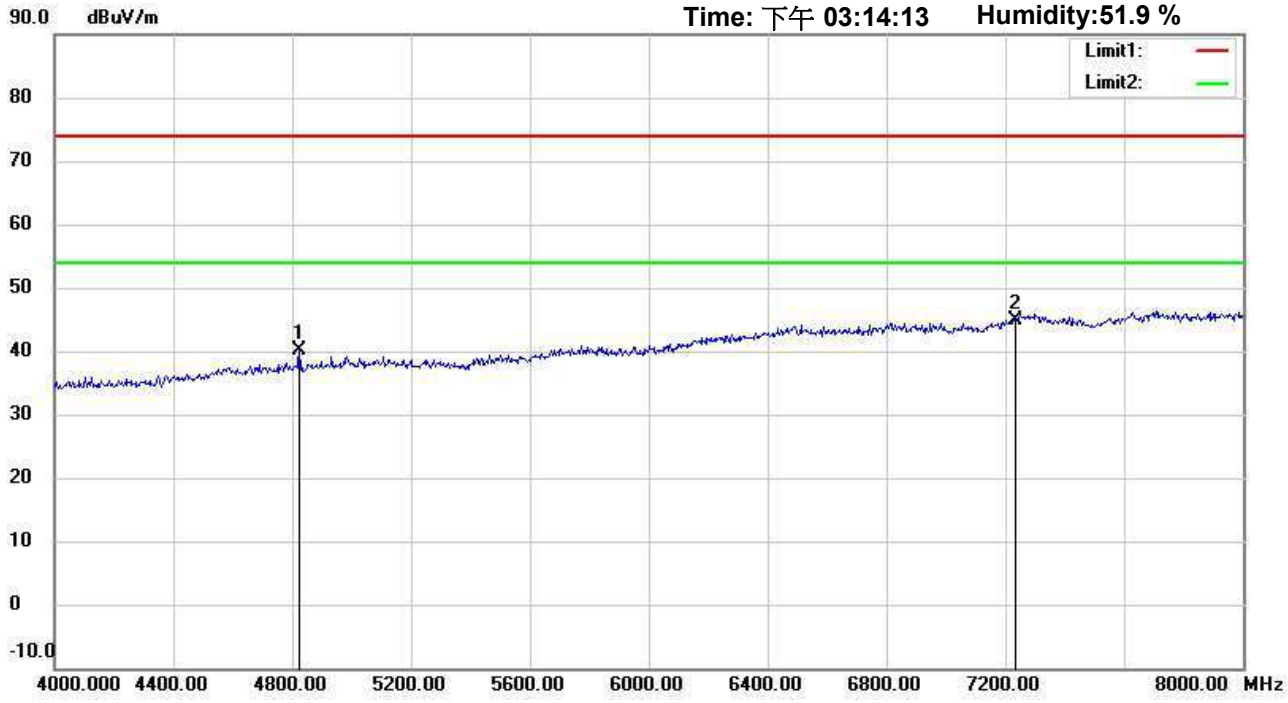
Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#7 Date: 2024/10/17 Temperature:23.3 ℃

Time: 下午 03:14:13 Humidity:51.9 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22409-23739

M/N:

Test Mode : TX 802.11b CH1

Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4824.000	35.51	peak	4.63	40.14	74.00	150	202	-33.86	
*	7236.000	33.09	peak	11.73	44.82	74.00	150	309	-29.18	

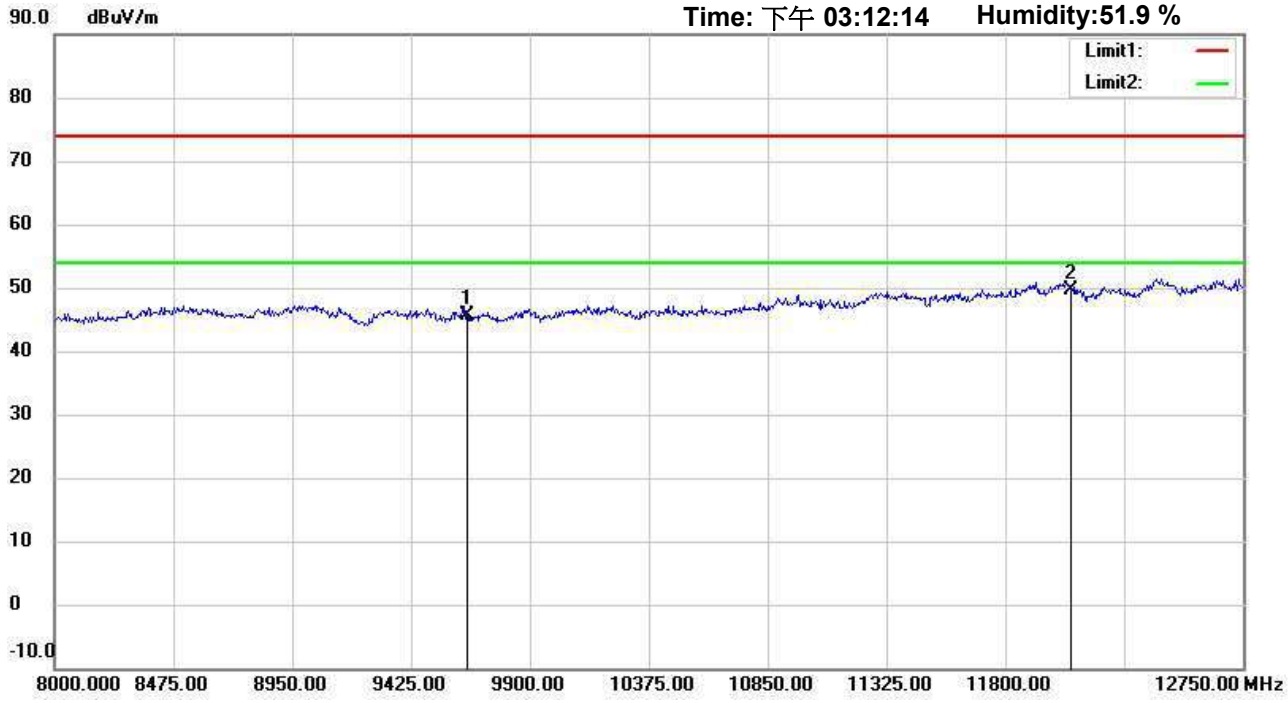
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#3 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 03:12:14 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH1
Note :

Polarization: *Horizontal*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9648.000	32.51	peak	13.08	45.59	74.00	150	68	-28.41	
*	12060.000	32.78	peak	16.81	49.59	74.00	150	352	-24.41	

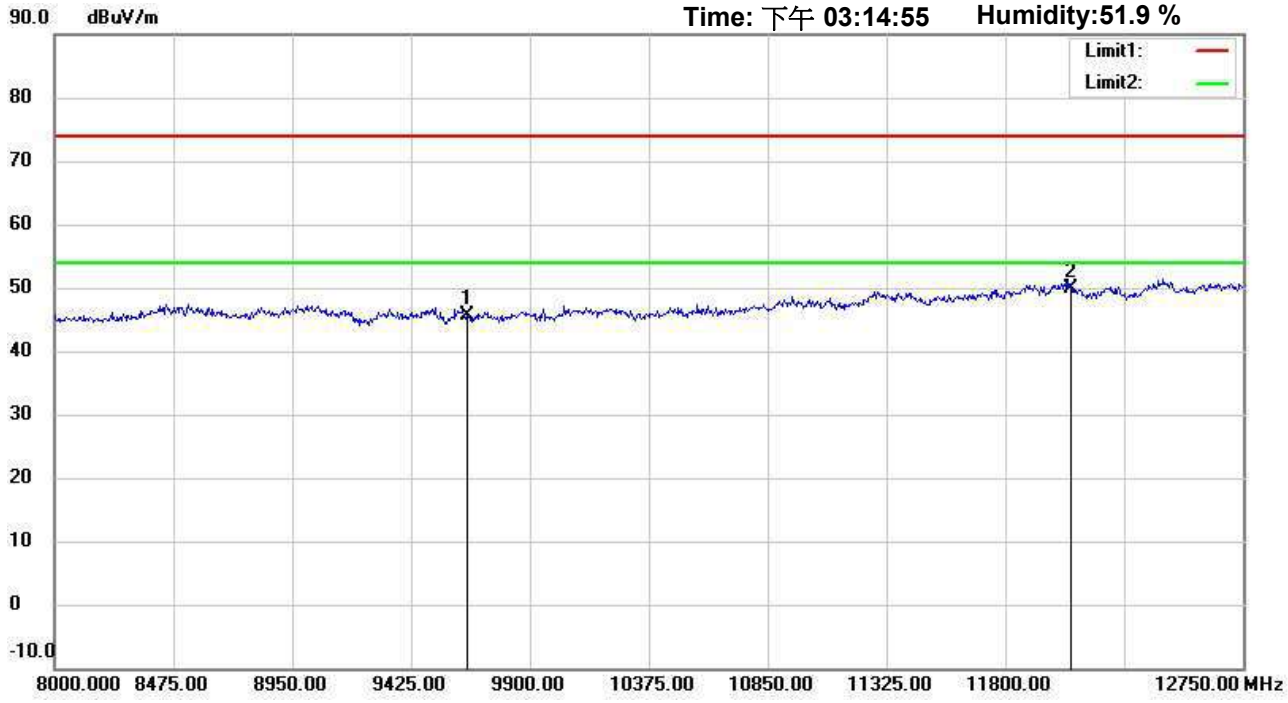
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#8 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 03:14:55 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH1
Note :

Polarization: *Vertical*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9648.000	32.46	peak	13.08	45.54	74.00	150	58	-28.46	
*	12060.000	33.19	peak	16.81	50.00	74.00	150	243	-24.00	

*:Maximum data x:Over limit !:over margin

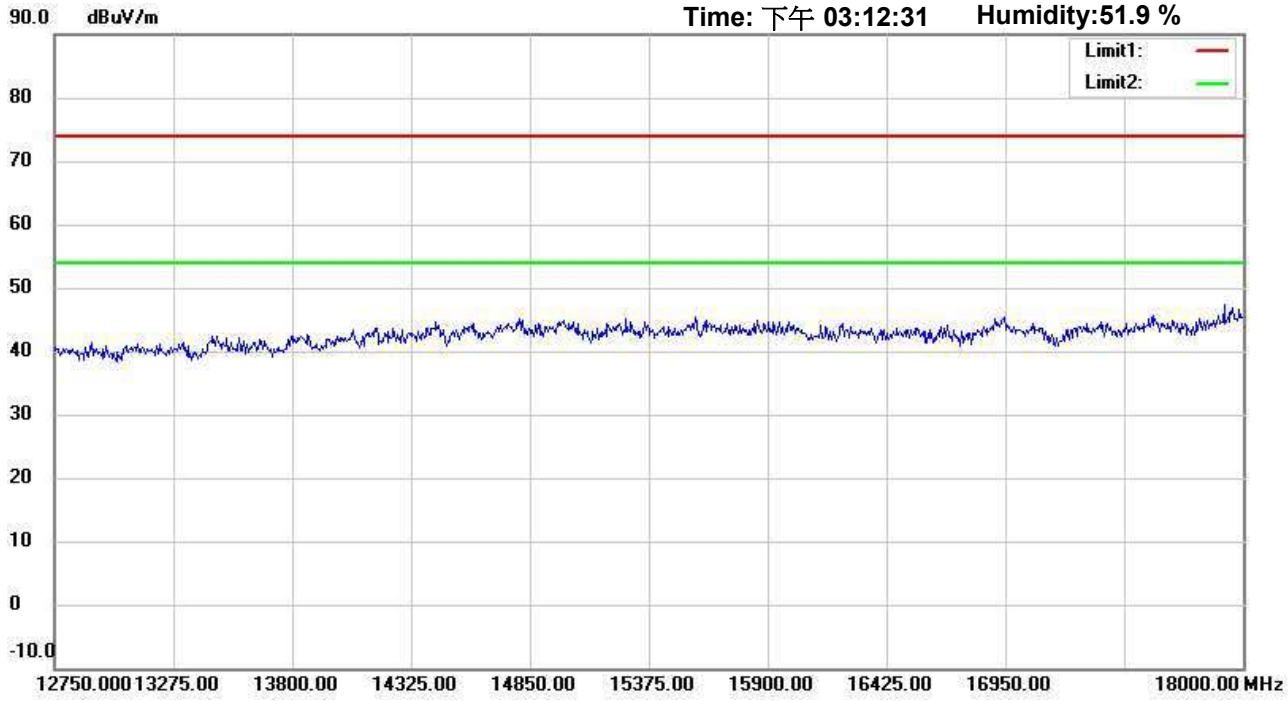
Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#4 Date: 2024/10/17 Temperature:23.3 ℃

Time: 下午 03:12:31 Humidity:51.9 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22409-23739

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH1

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

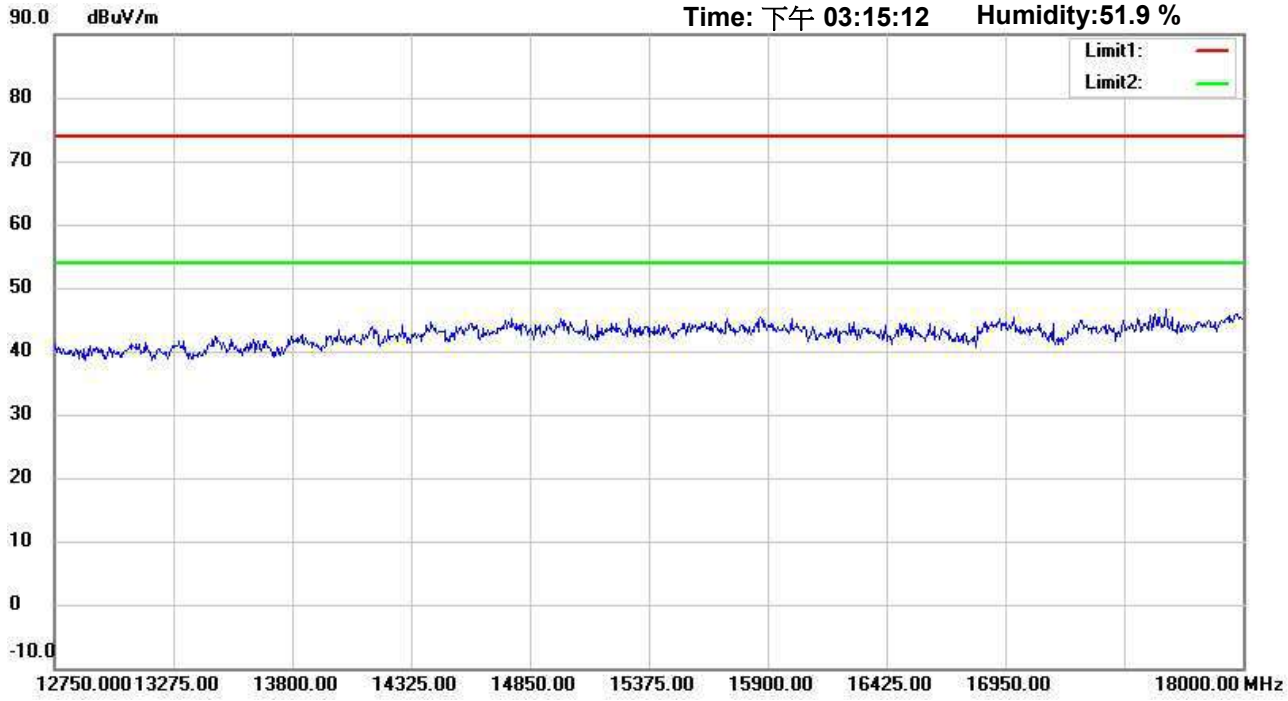
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#9 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 03:15:12 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH1
Note :

Polarization: *Vertical*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

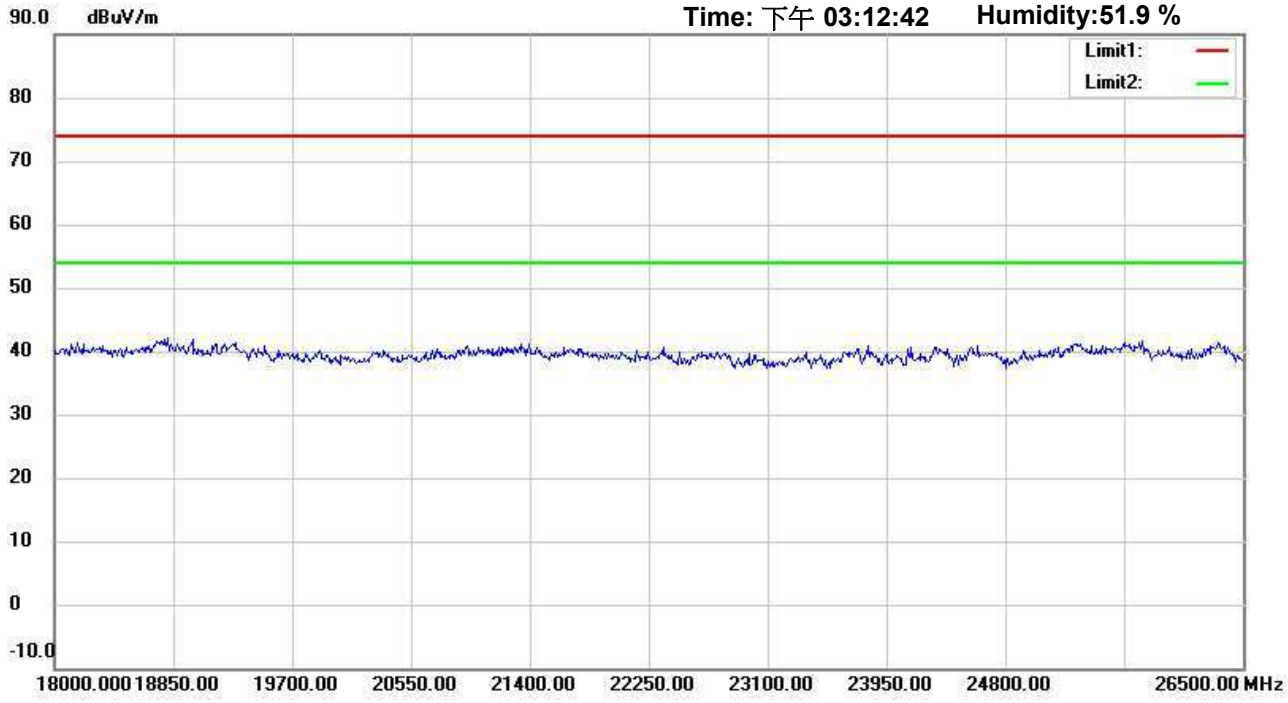
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#5 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 03:12:42 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH1
Note :

Polarization: *Horizontal*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

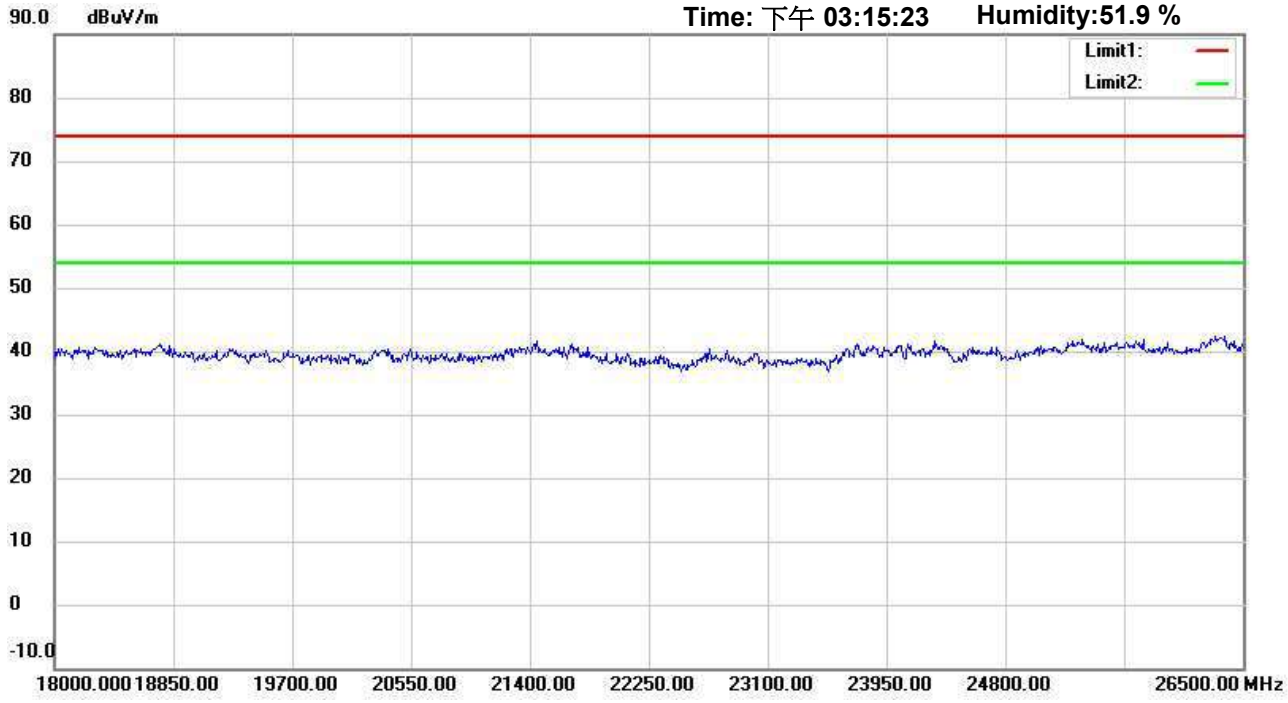
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#10 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 03:15:23 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH1
Note :

Polarization: *Vertical*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

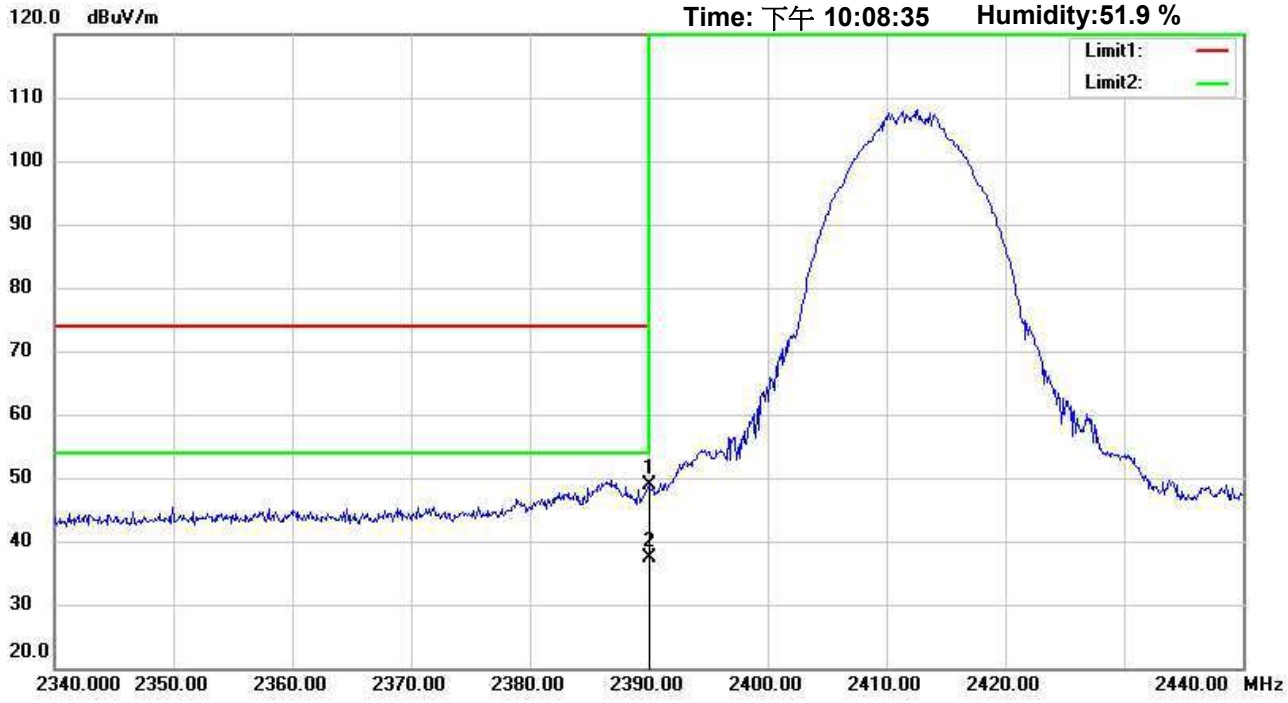
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Gino

File :Bandedge | Data :#1 | Date: 2024/10/17 | Time: 下午 10:08:35 | Temperature:23.3 ℃ | Humidity:51.9 %



Site : 966A Chamber
Condition : FCC 15.247 PK (Bandedge)
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH1
Note :

Polarization: *Horizontal*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2390.000	53.33	peak	-4.45	48.88	74.00	150	116	-25.12	
*	2390.000	41.71	AVG	-4.45	37.26	54.00	150	116	-16.74	

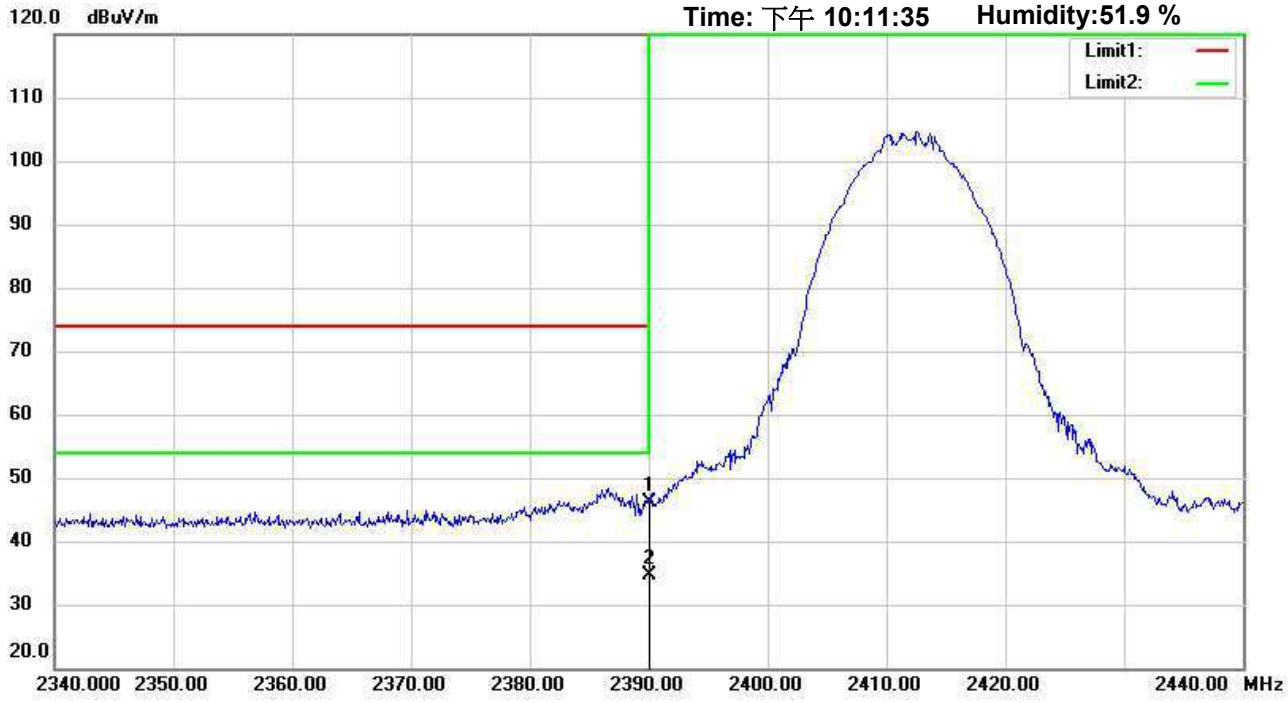
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Gino

File :Bandedge | Data :#2 | Date: 2024/10/17 | Time: 下午 10:11:35 | Temperature:23.3 ℃ | Humidity:51.9 %



Site : 966A Chamber
Condition : FCC 15.247 PK (Bandedge)
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH1
Note :

Polarization: *Vertical*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2390.000	50.56	peak	-4.45	46.11	74.00	150	105	-27.89	
*	2390.000	39.17	AVG	-4.45	34.72	54.00	150	105	-19.28	

*:Maximum data x:Over limit !:over margin

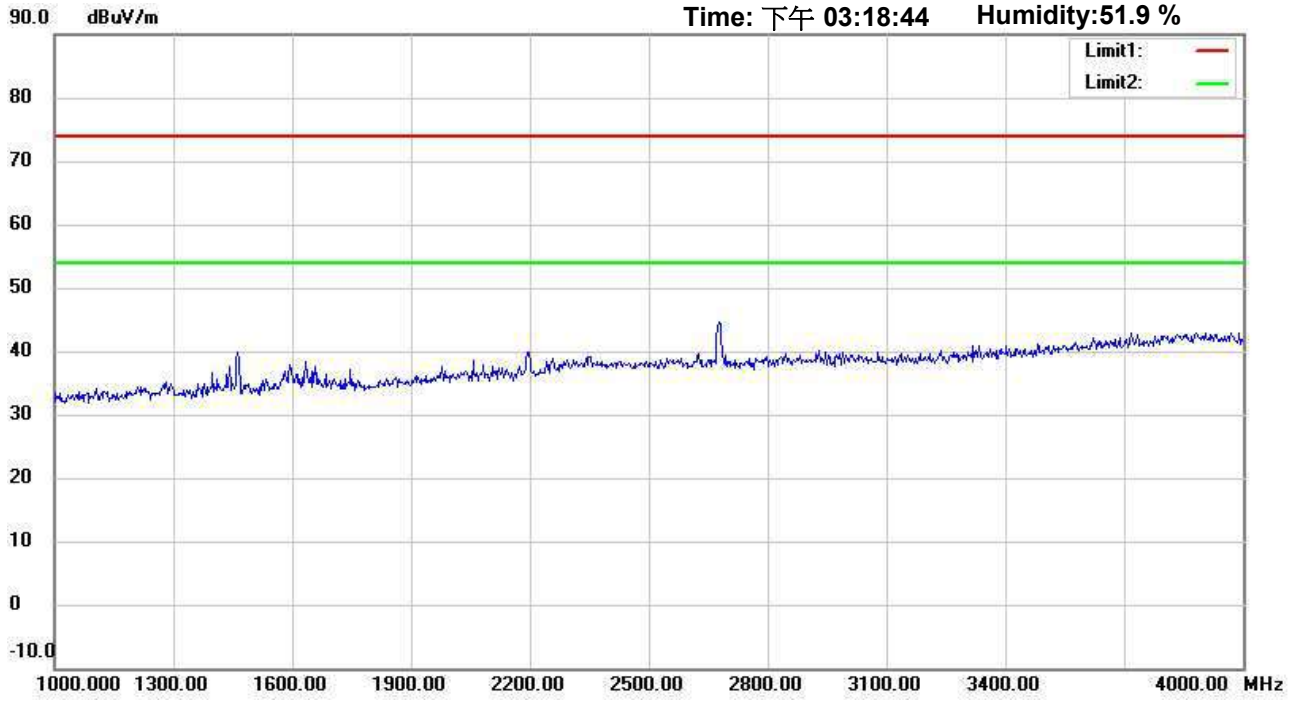
Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#1 Date: 2024/10/17 Temperature:23.3 ℃

Time: 下午 03:18:44 Humidity:51.9 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22409-23739

M/N:

Test Mode : TX 802.11b CH6

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

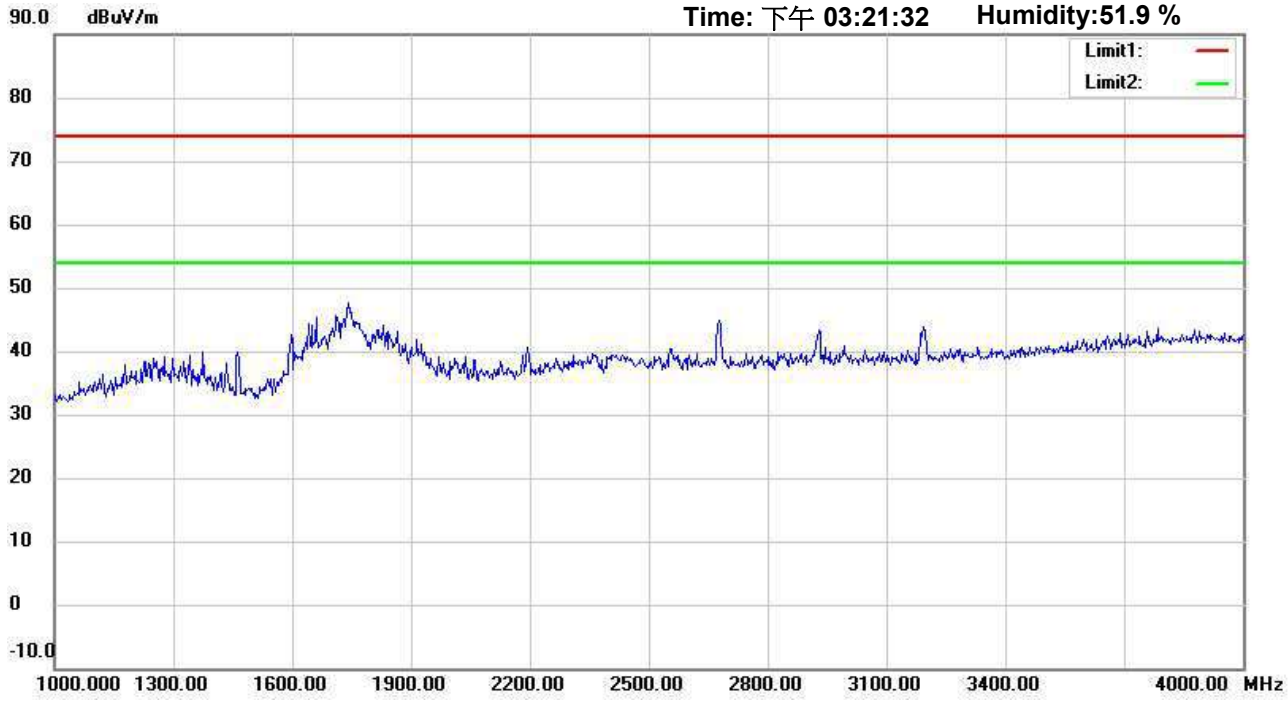
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#6 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 03:21:32 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH6
Note :

Polarization: *Vertical*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

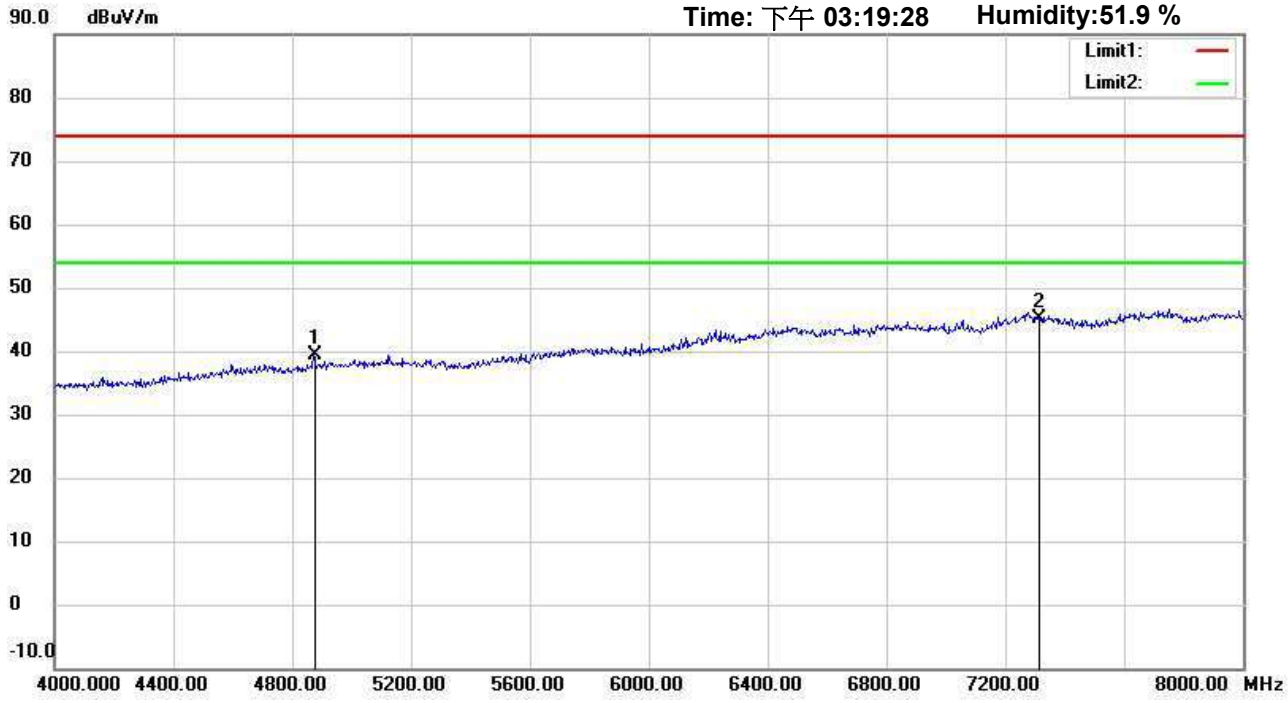
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#2 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 03:19:28 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH6
Note :

Polarization: *Horizontal*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4874.000	34.61	peak	4.89	39.50	74.00	150	77	-34.50	
*	7311.000	32.99	peak	12.20	45.19	74.00	150	217	-28.81	

*:Maximum data x:Over limit !:over margin

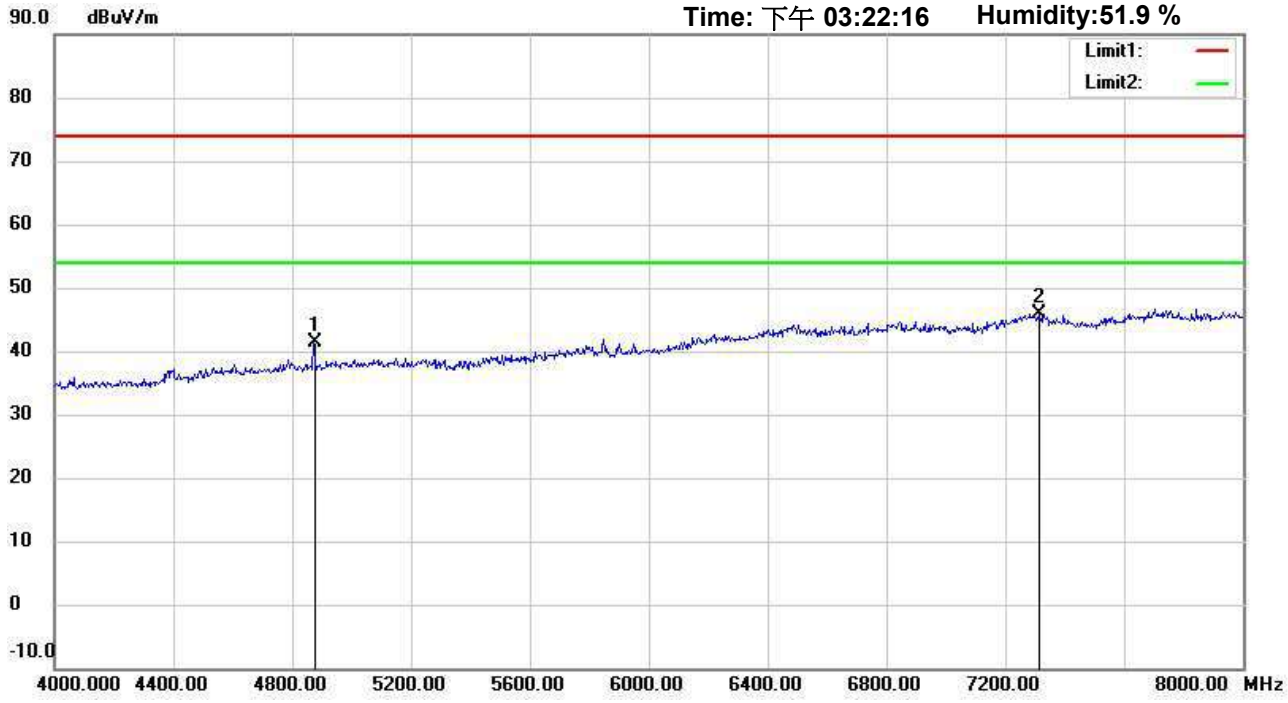
Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#7 Date: 2024/10/17 Temperature:23.3 ℃

Time: 下午 03:22:16 Humidity:51.9 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22409-23739

M/N:

Test Mode : TX 802.11b CH6

Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4874.000	36.40	peak	4.89	41.29	74.00	150	201	-32.71	
*	7311.000	33.64	peak	12.20	45.84	74.00	150	248	-28.16	

*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#3 Date: 2024/10/17 Temperature:23.3 ℃

Time: 下午 03:20:17 Humidity:51.9 %

Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22409-23739

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH6

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9748.000	31.89	peak	13.31	45.20	74.00	150	42	-28.80	
*	12185.000	32.44	peak	17.10	49.54	74.00	150	102	-24.46	

*:Maximum data x:Over limit !:over margin

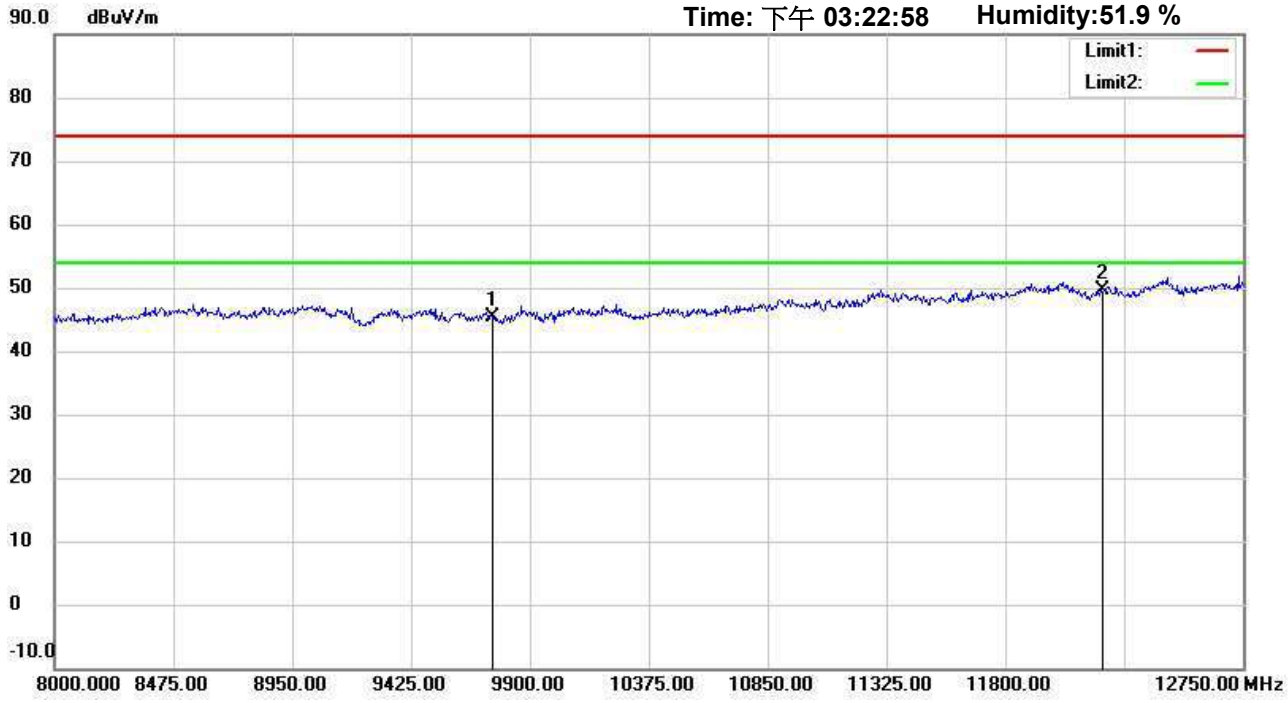
Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#8 Date: 2024/10/17 Temperature:23.3 ℃

Time: 下午 03:22:58 Humidity:51.9 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22409-23739

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH6

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9748.000	32.03	peak	13.31	45.34	74.00	150	278	-28.66	
*	12185.000	32.52	peak	17.10	49.62	74.00	150	291	-24.38	

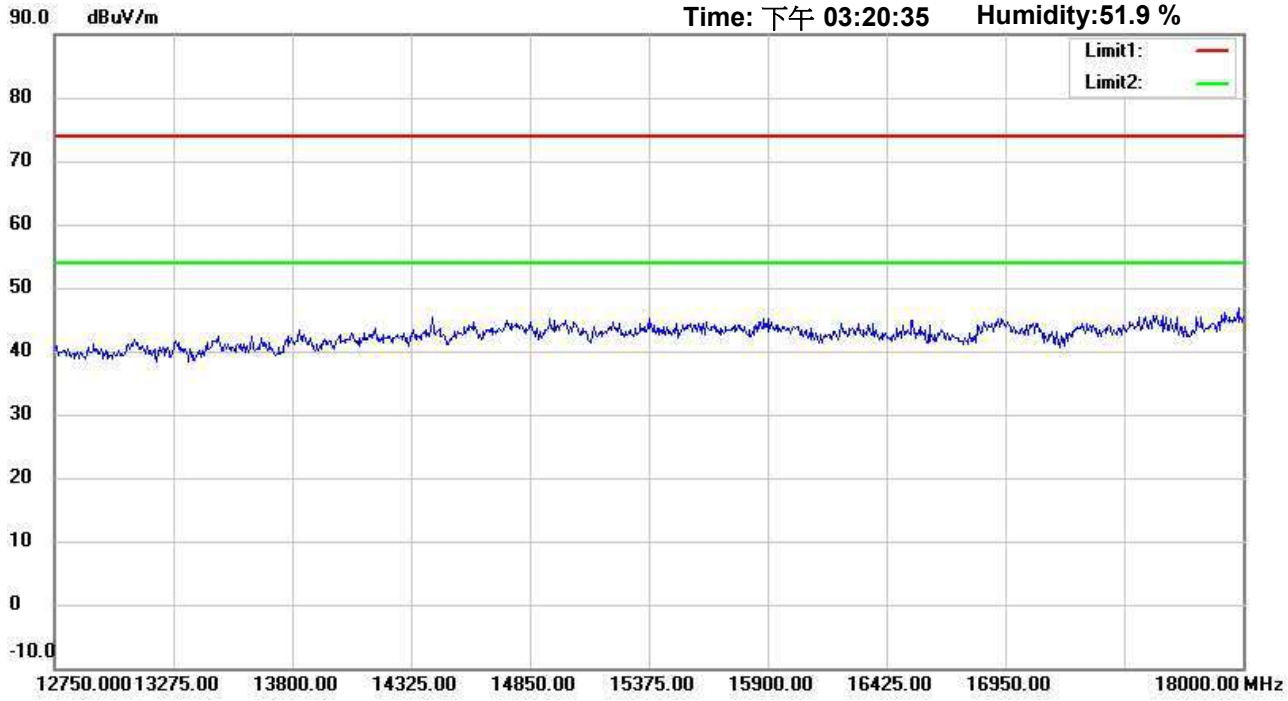
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#4 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 03:20:35 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH6
Note :

Polarization: *Horizontal*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

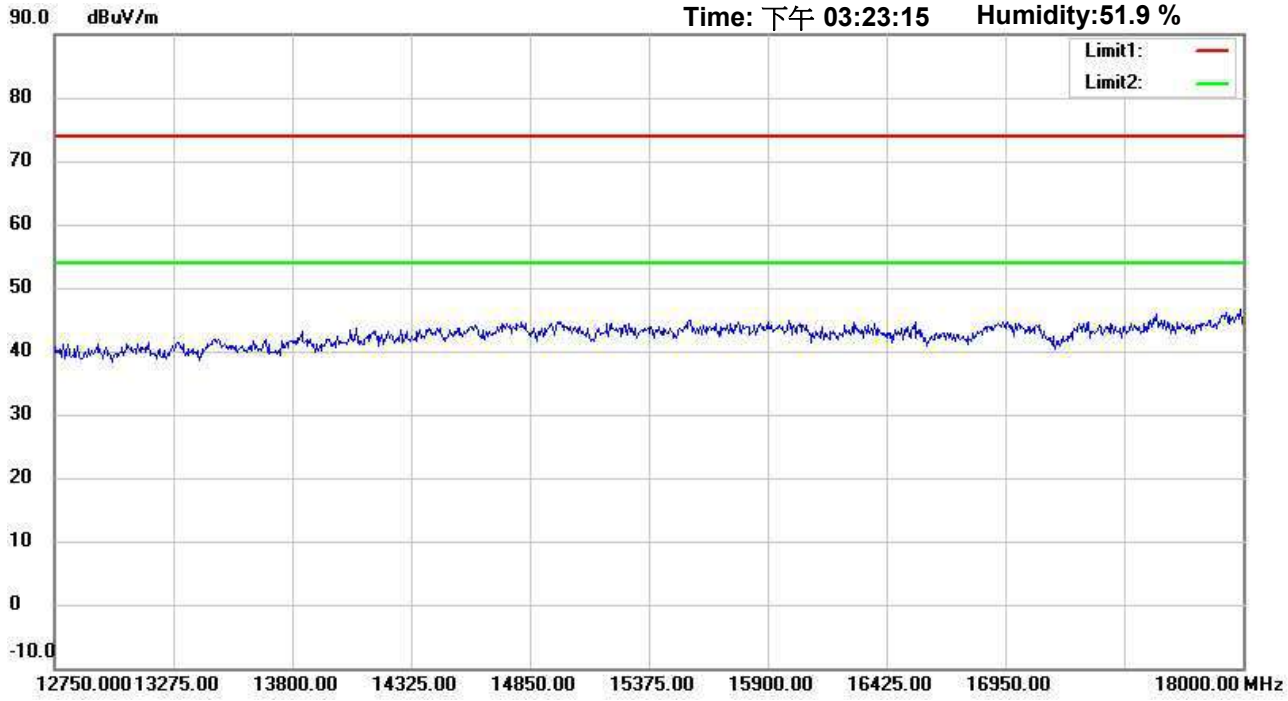
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#9 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 03:23:15 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH6
Note :

Polarization: *Vertical*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

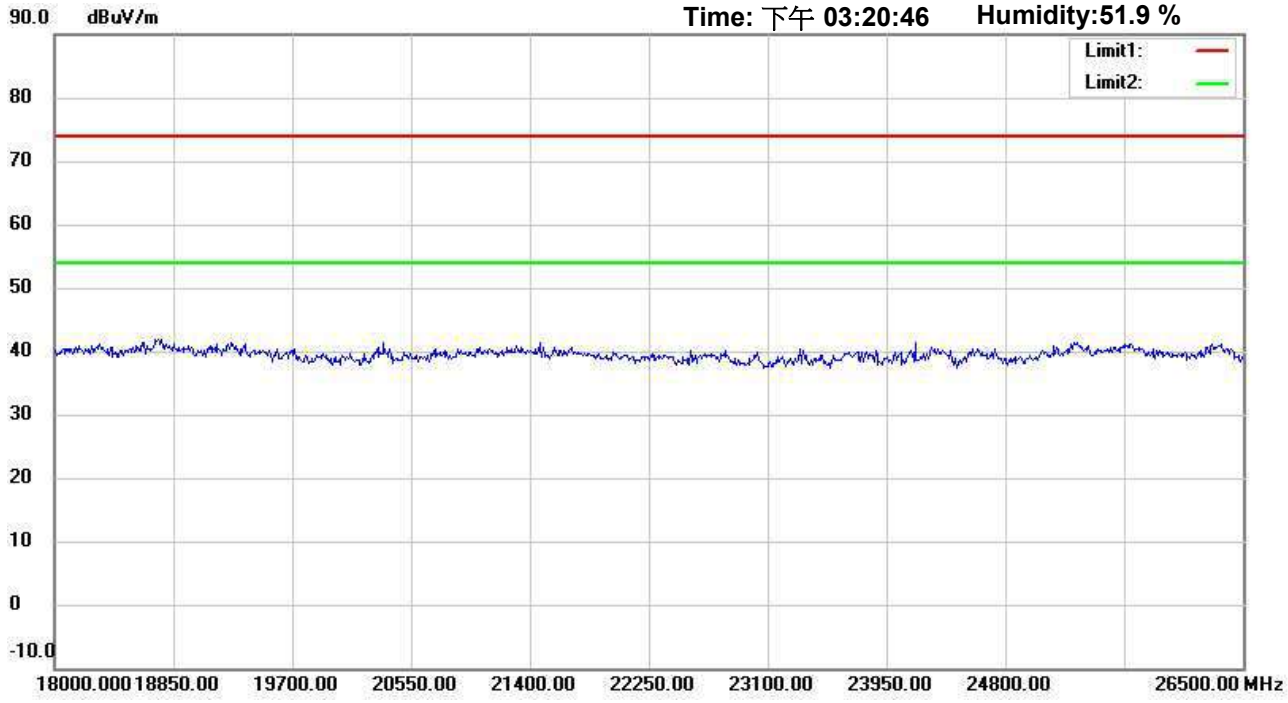
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#5 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 03:20:46 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH6
Note :

Polarization: *Horizontal*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

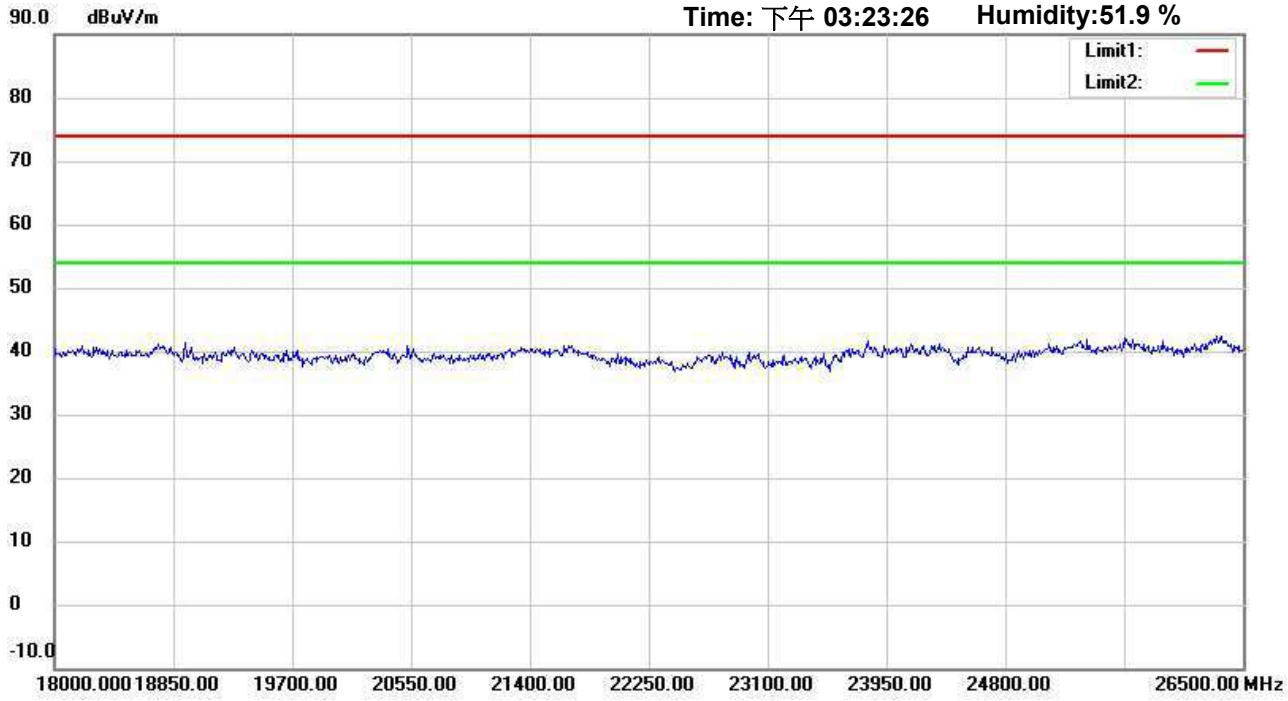
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#10 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 03:23:26 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11b CH6
Note :

Polarization: *Vertical*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

*:Maximum data x:Over limit !:over margin

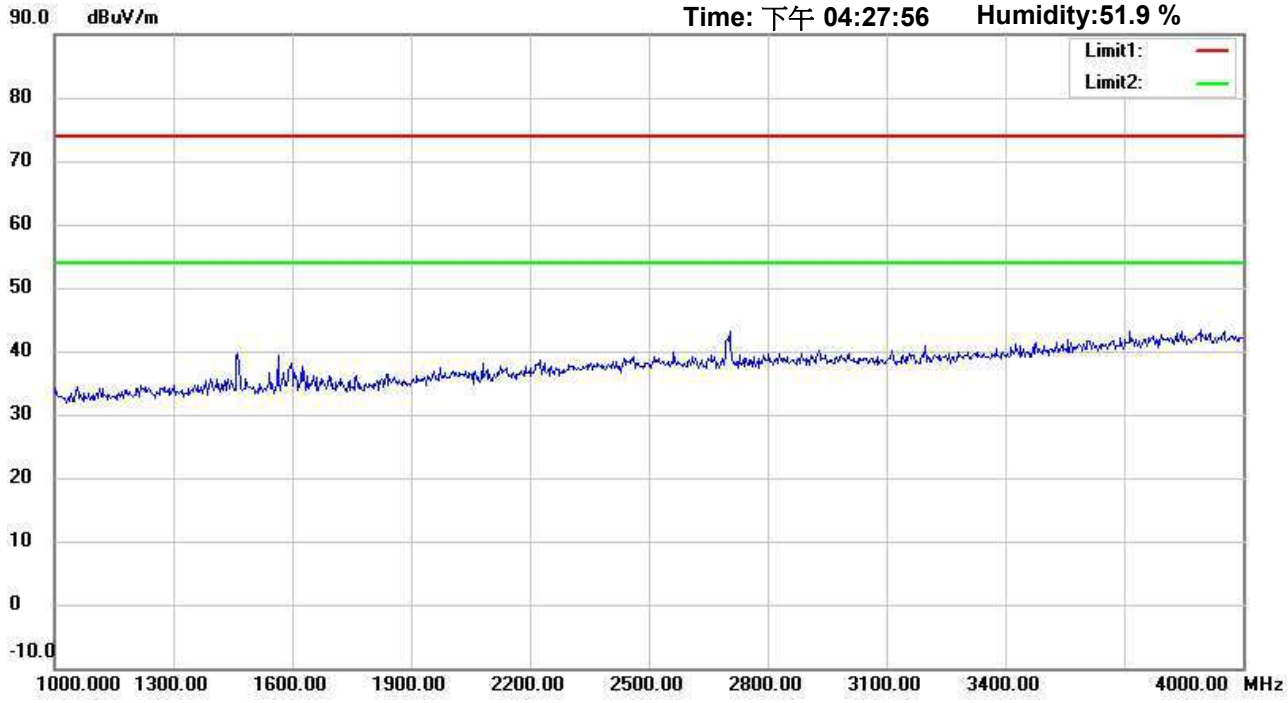
Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#1 Date: 2024/10/17 Temperature:23.3 ℃

Time: 下午 04:27:56 Humidity:51.9 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22409-23739

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH11

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

*:Maximum data x:Over limit !:over margin

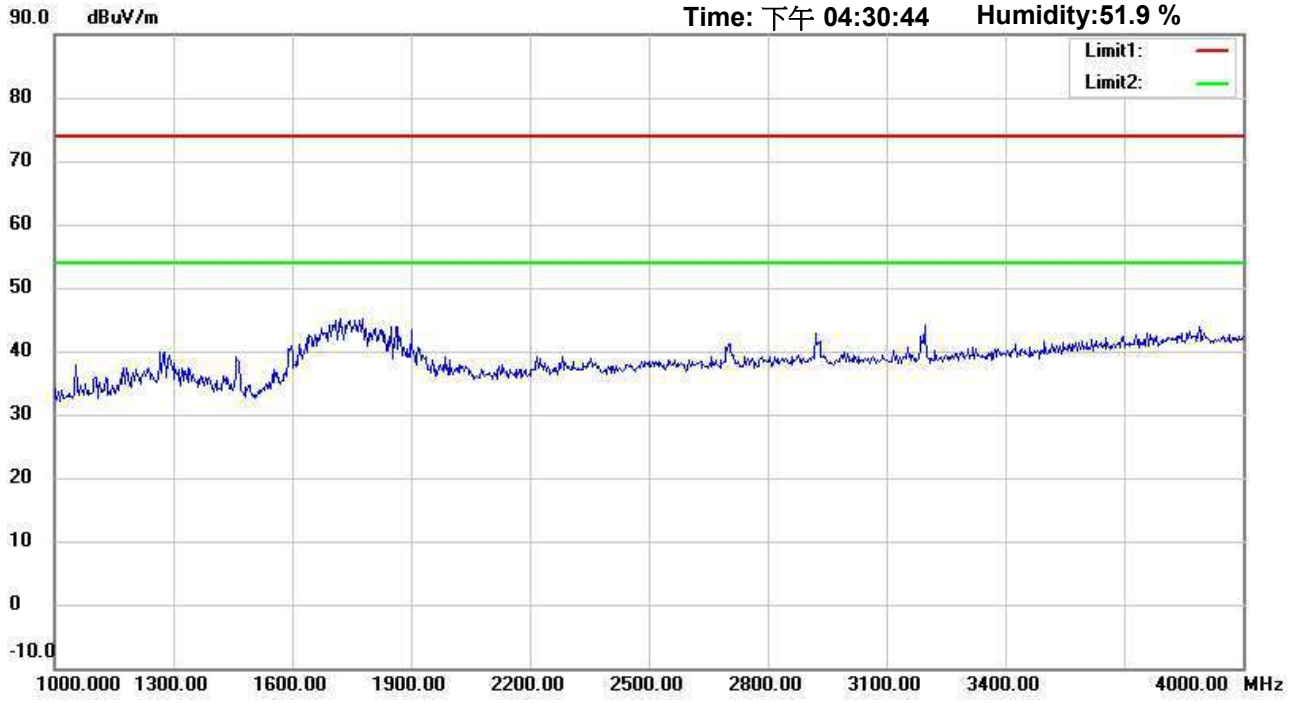
Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#6 Date: 2024/10/17 Temperature:23.3 ℃

Time: 下午 04:30:44 Humidity:51.9 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22409-23739

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH11

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

*:Maximum data x:Over limit !:over margin

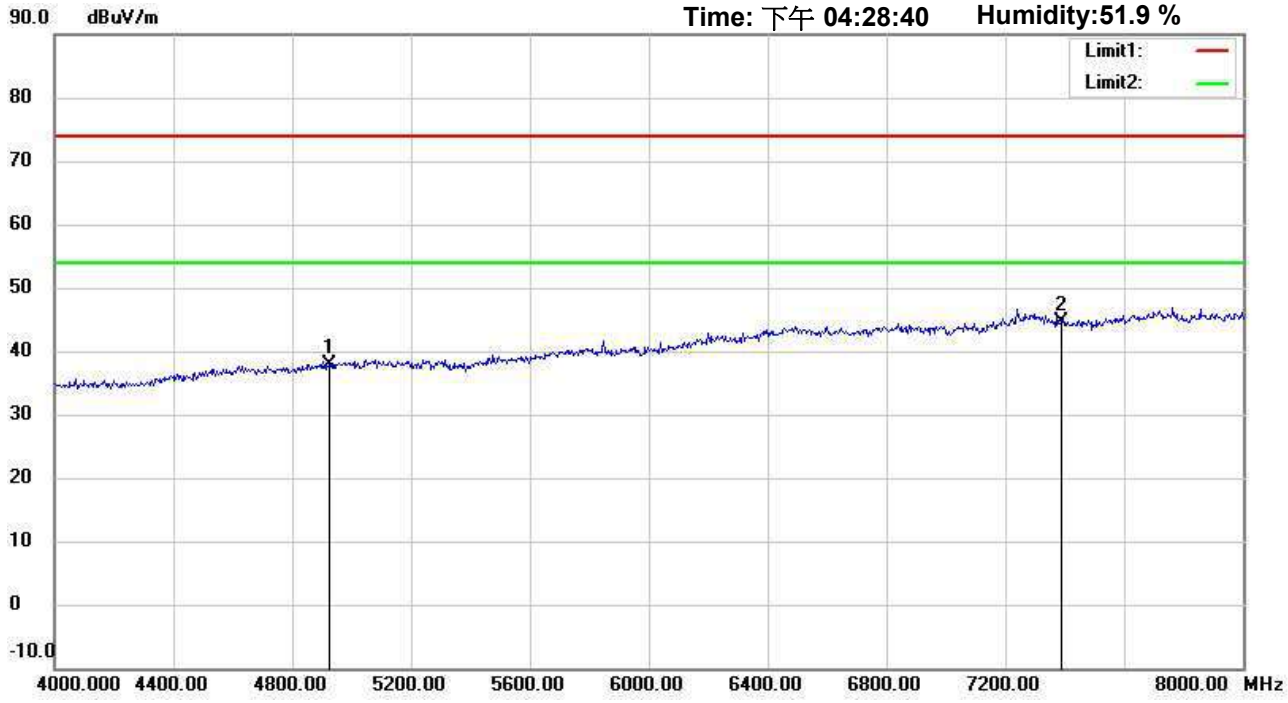
Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#2 Date: 2024/10/17 Temperature:23.3 ℃

Time: 下午 04:28:40 Humidity:51.9 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22409-23739

M/N:

Test Mode : TX 802.11g CH11

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4924.000	32.80	peak	5.13	37.93	74.00	150	41	-36.07	
*	7386.000	32.49	peak	12.06	44.55	74.00	150	0	-29.45	

*:Maximum data x:Over limit !:over margin

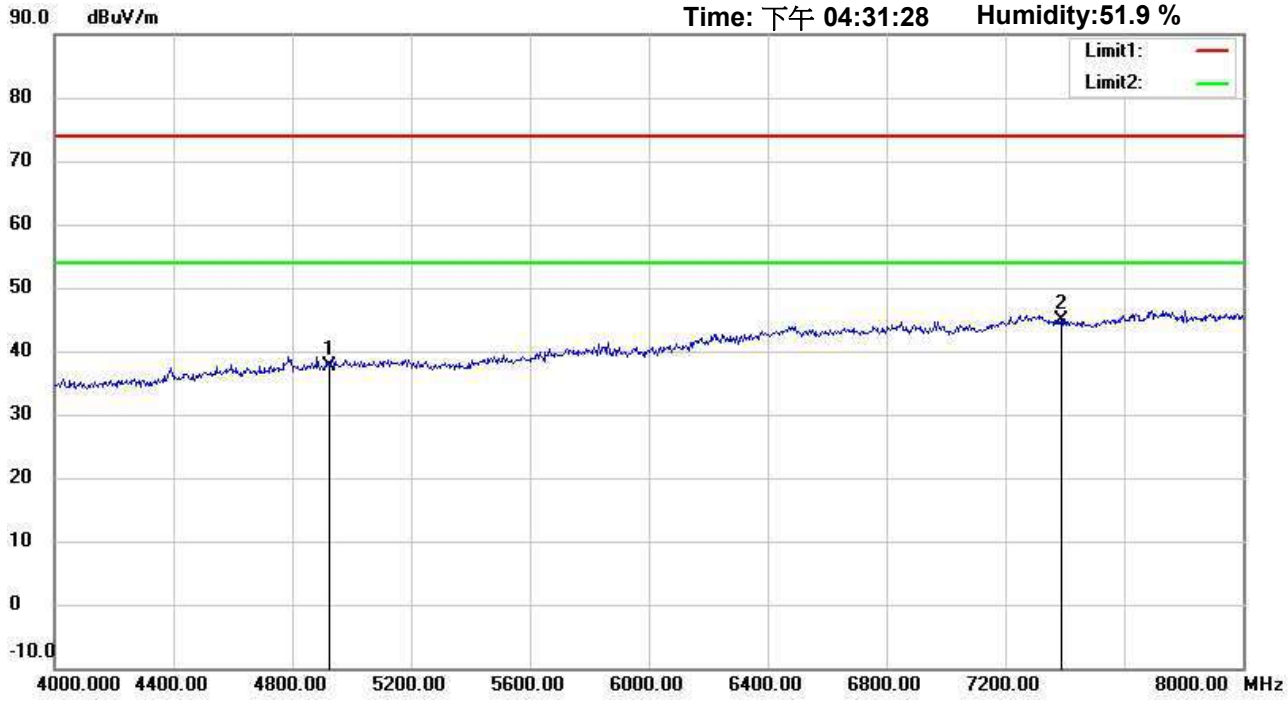
Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#7 Date: 2024/10/17 Temperature:23.3 ℃

Time: 下午 04:31:28 Humidity:51.9 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22409-23739

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH11

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4924.000	32.55	peak	5.13	37.68	74.00	150	0	-36.32	
*	7386.000	32.84	peak	12.06	44.90	74.00	150	186	-29.10	

*:Maximum data x:Over limit !:over margin

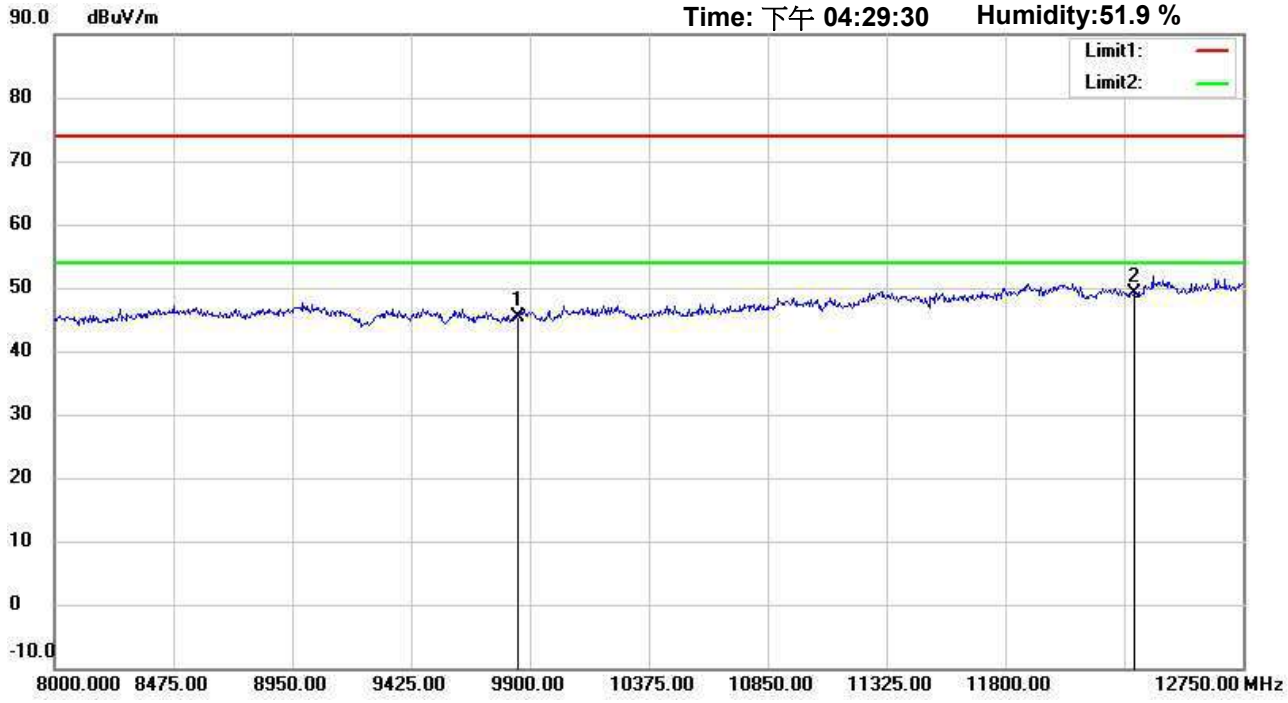
Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#3 Date: 2024/10/17 Temperature:23.3 ℃

Time: 下午 04:29:30 Humidity:51.9 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22409-23739

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH11

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9848.000	31.80	peak	13.50	45.30	74.00	150	108	-28.70	
*	12310.000	32.92	peak	16.30	49.22	74.00	150	214	-24.78	

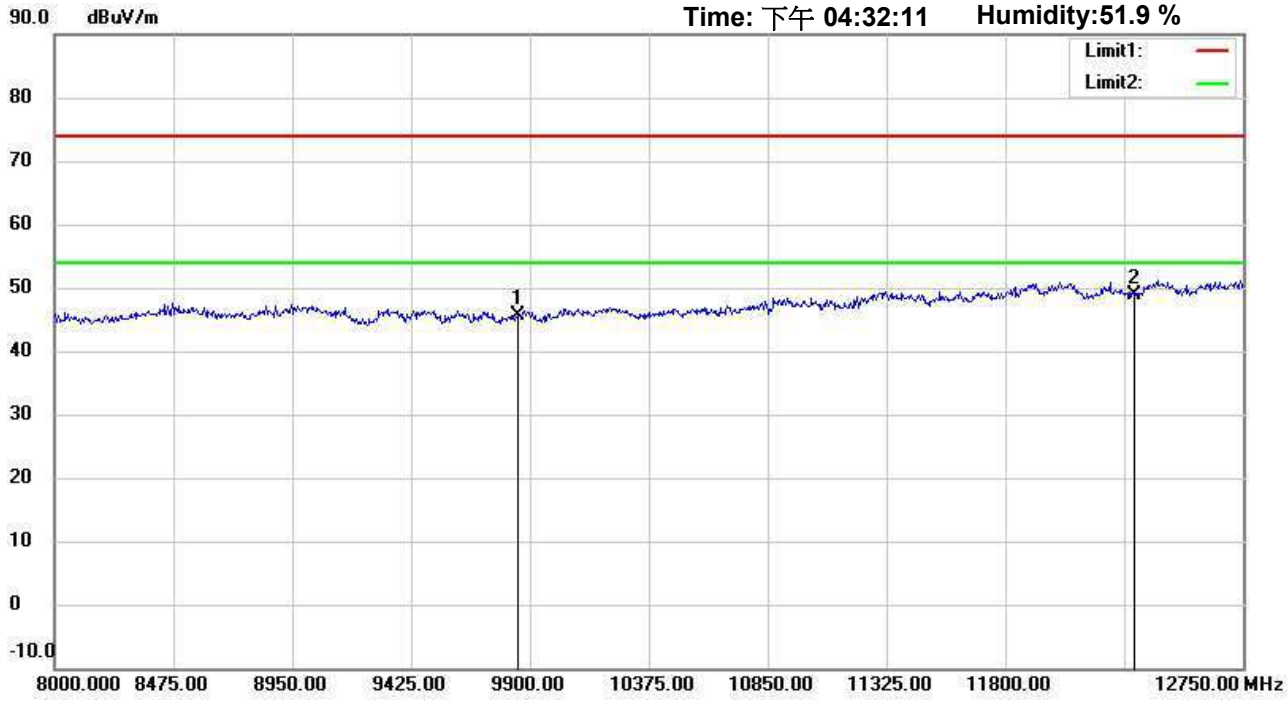
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#8 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 04:32:11 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11g CH11
Note :

Polarization: *Vertical*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9848.000	32.13	peak	13.50	45.63	74.00	150	120	-28.37	
*	12310.000	32.65	peak	16.30	48.95	74.00	150	28	-25.05	

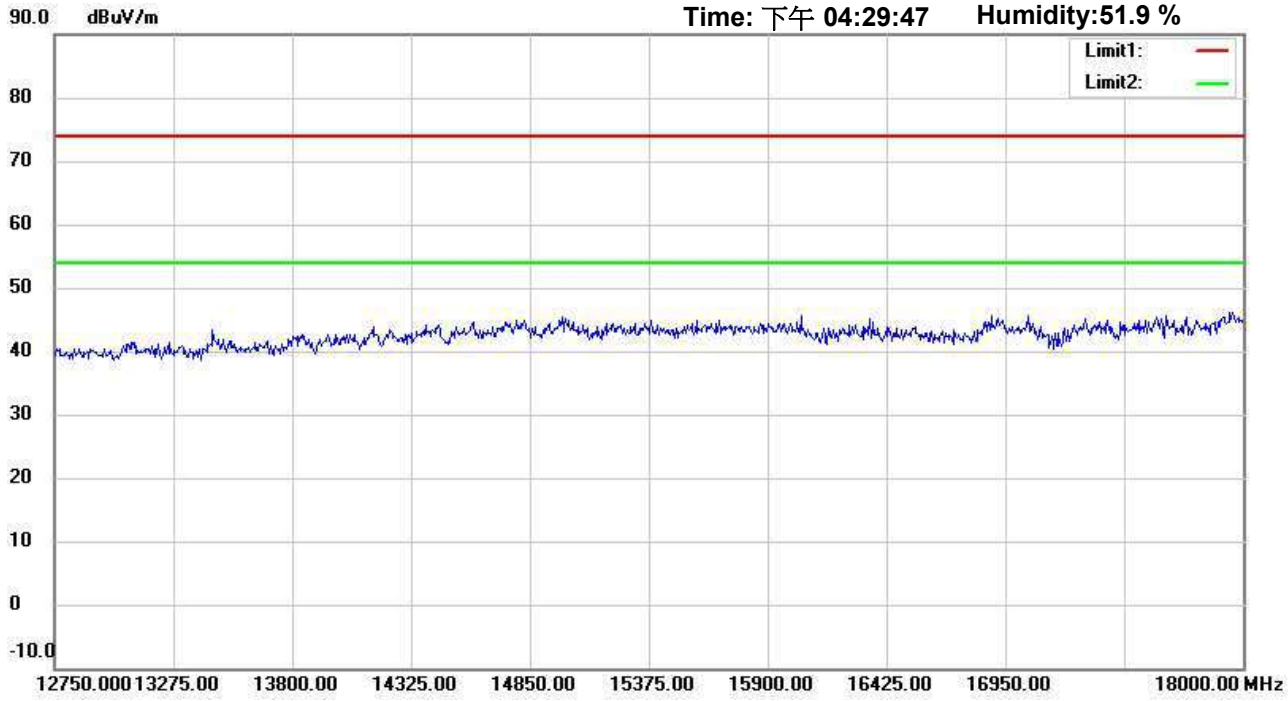
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#4 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 04:29:47 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11g CH11
Note :

Polarization: *Horizontal*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

*:Maximum data x:Over limit !:over margin

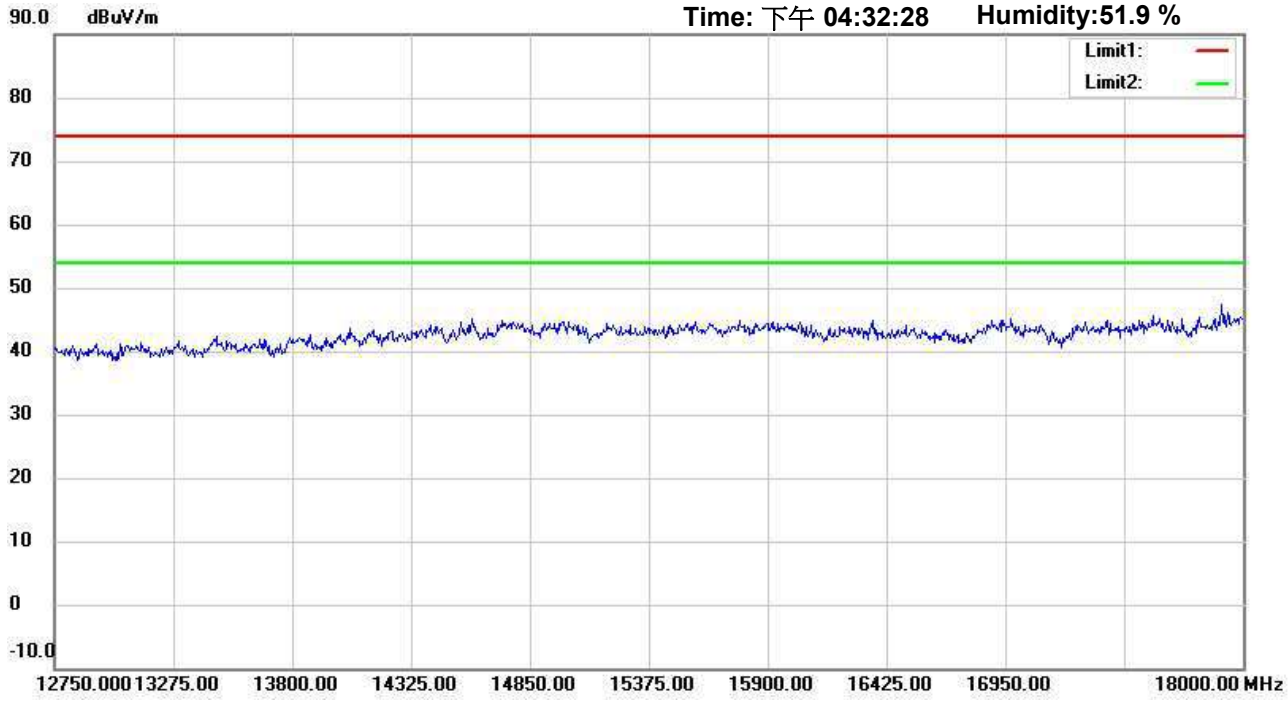
Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#9 Date: 2024/10/17 Temperature:23.3 ℃

Time: 下午 04:32:28 Humidity:51.9 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22409-23739

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH11

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

*:Maximum data x:Over limit !:over margin

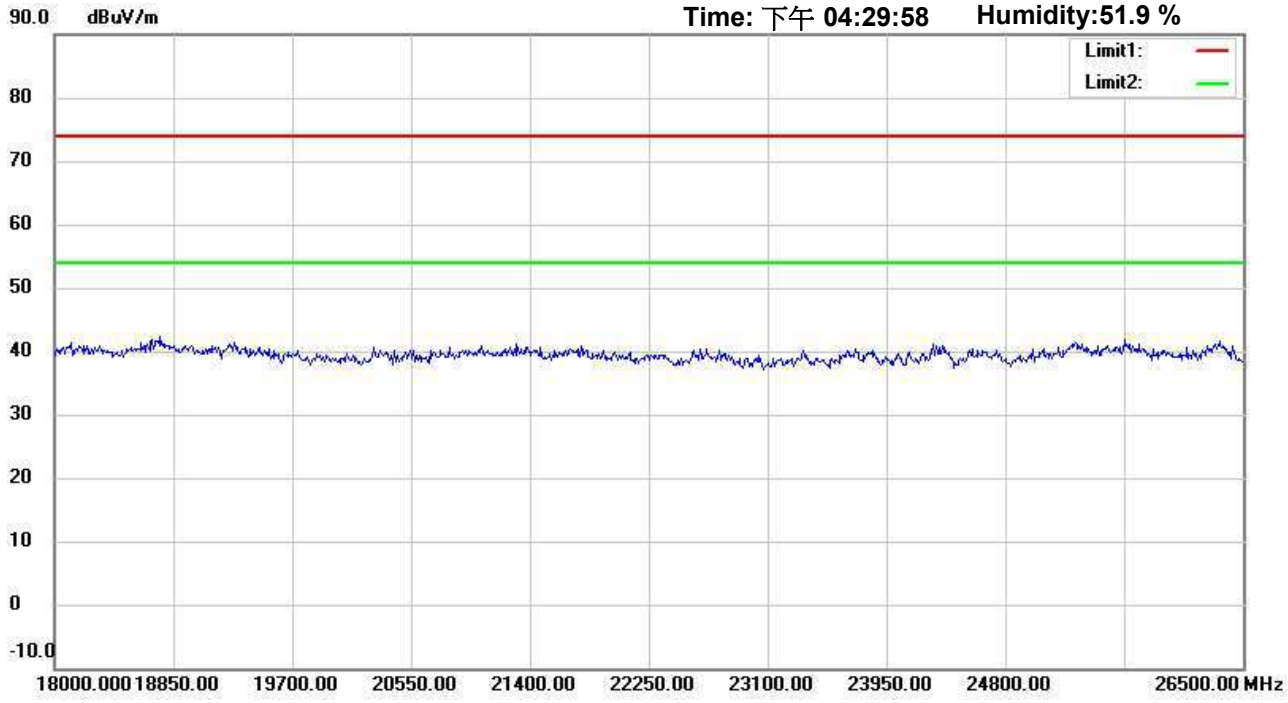
Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#5 Date: 2024/10/17 Temperature:23.3 ℃

Time: 下午 04:29:58 Humidity:51.9 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22409-23739

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH11

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

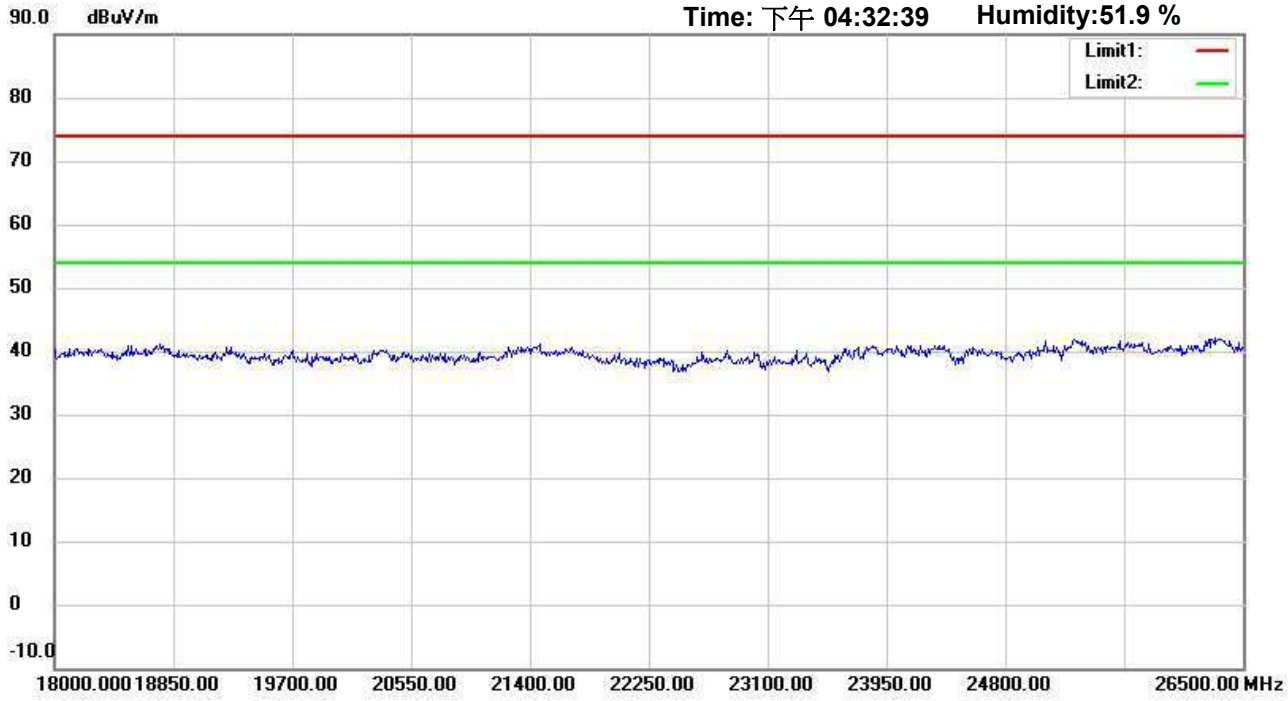
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#10 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 04:32:39 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11g CH11
Note :

Polarization: *Vertical*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

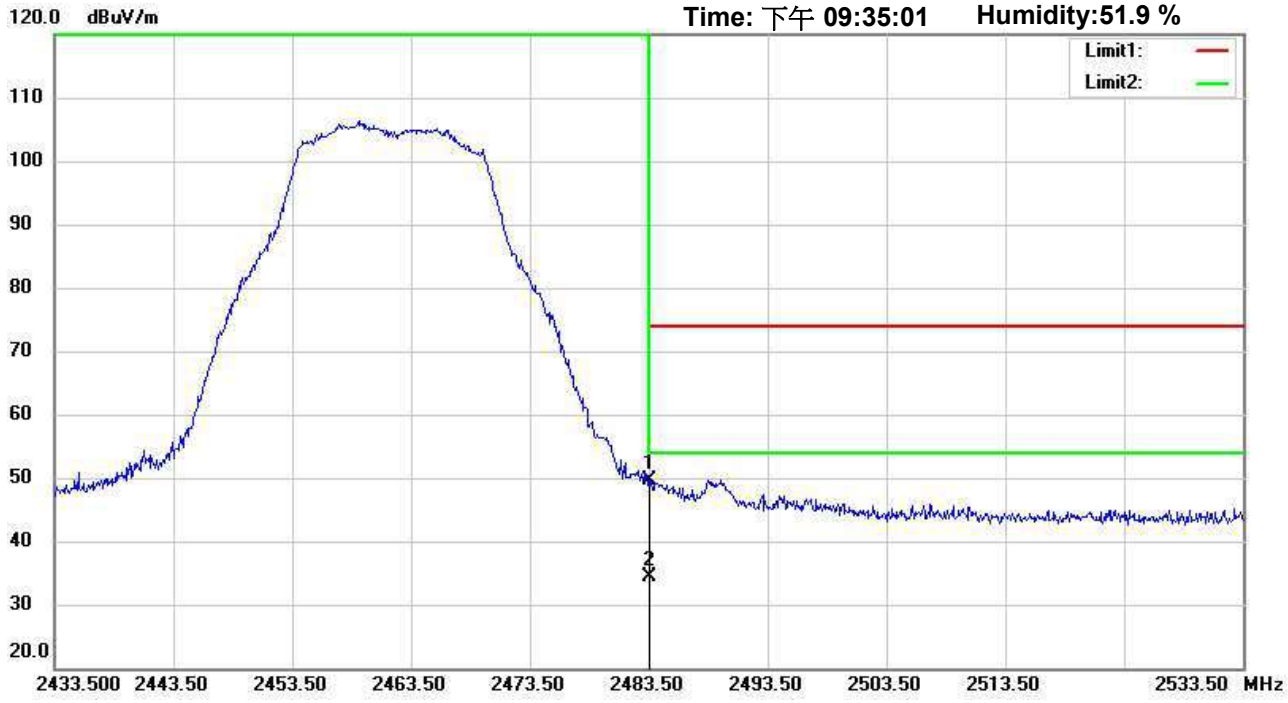
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Gino

File :Bandedge | Data :#1 | Date: 2024/10/17 | Time: 下午 09:35:01 | Temperature:23.3 ℃ | Humidity:51.9 %



Site : 966A Chamber
Condition : FCC 15.247 PK (Bandedge)
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11g CH11
Note :

Polarization: *Horizontal*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2483.500	54.02	peak	-4.30	49.72	74.00	154	45	-24.28	
*	2483.500	38.67	AVG	-4.30	34.37	54.00	154	45	-19.63	

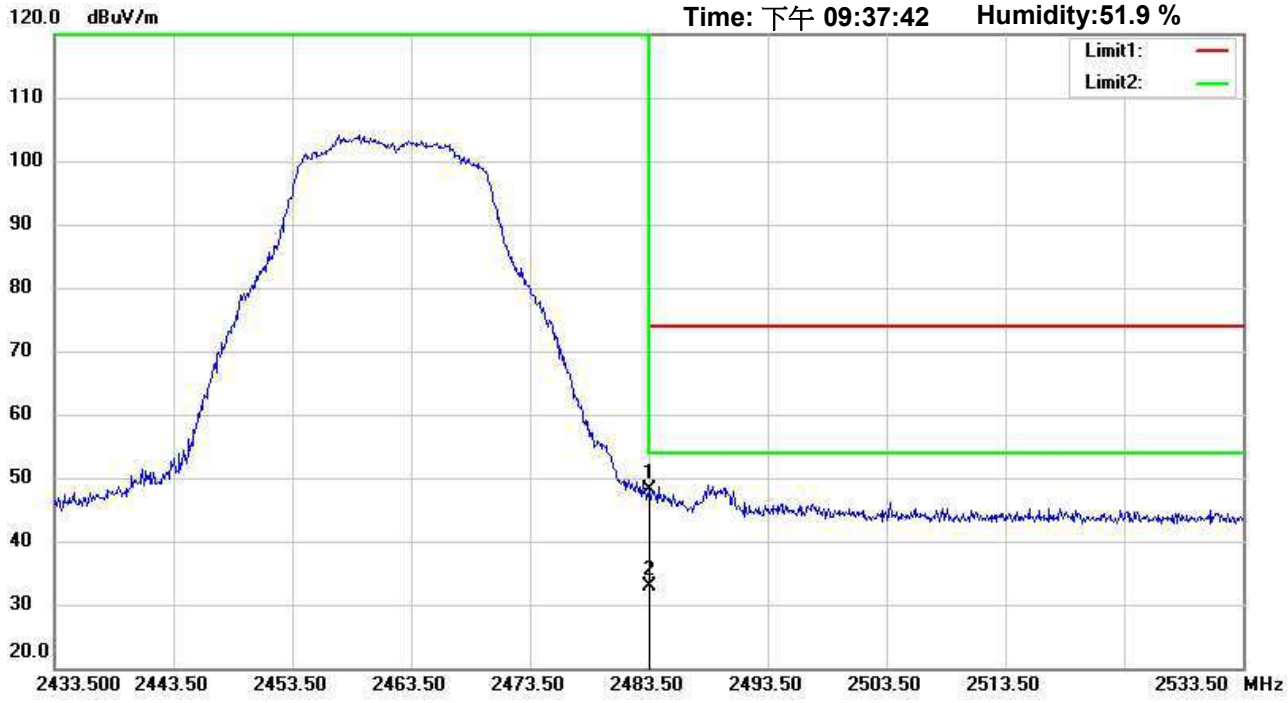
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Gino

File :Bandedge | Data :#2 | Date: 2024/10/17 | Time: 下午 09:37:42 | Temperature:23.3 ℃ | Humidity:51.9 %



Site : 966A Chamber
Condition : FCC 15.247 PK (Bandedge)
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11g CH11
Note :

Polarization: *Vertical*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2483.500	52.50	peak	-4.30	48.20	74.00	150	90	-25.80	
*	2483.500	37.25	AVG	-4.30	32.95	54.00	150	90	-21.05	

*:Maximum data x:Over limit !:over margin

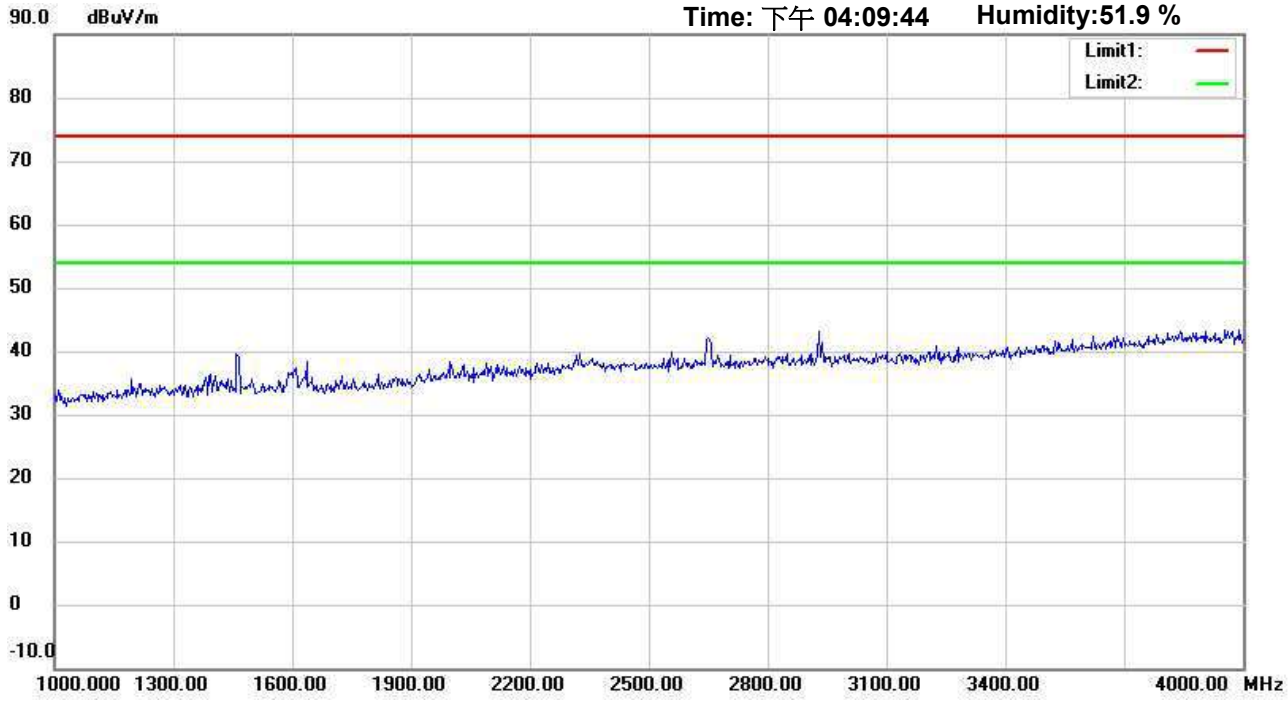
Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#1 Date: 2024/10/17 Temperature:23.3 ℃

Time: 下午 04:09:44 Humidity:51.9 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22409-23739

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH1

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

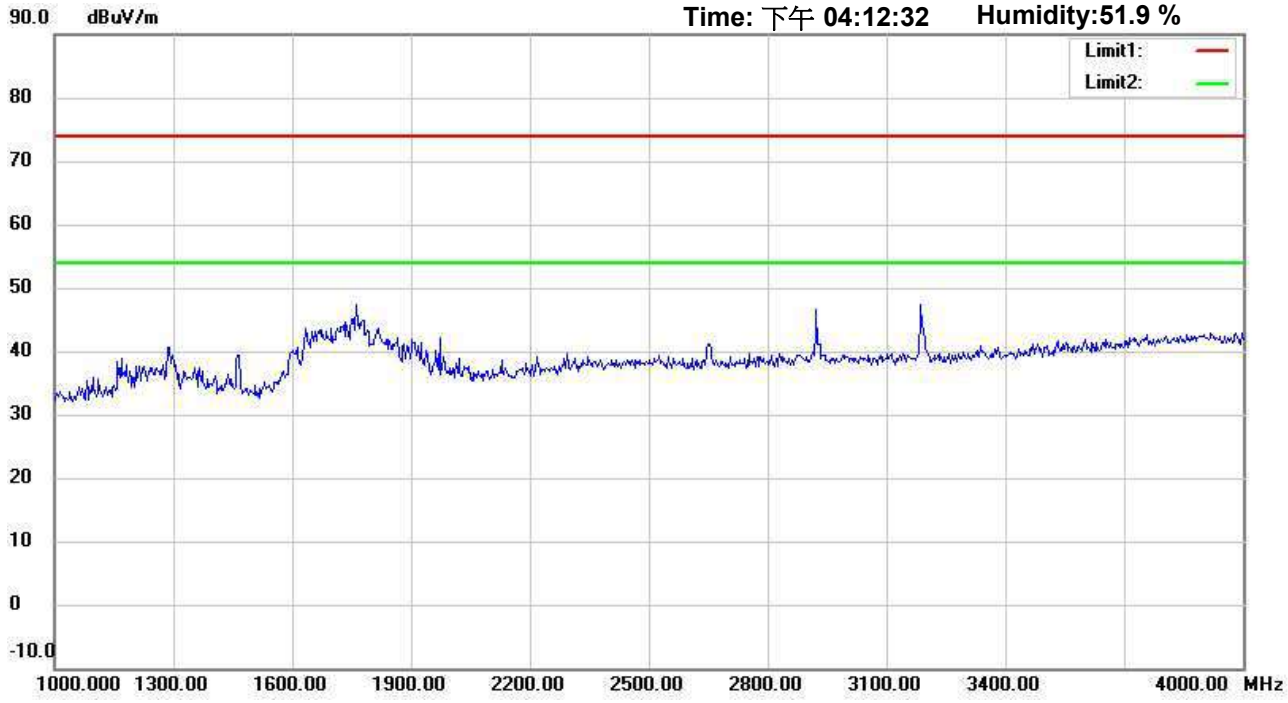
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#6 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 04:12:32 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11g CH1
Note :

Polarization: *Vertical*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

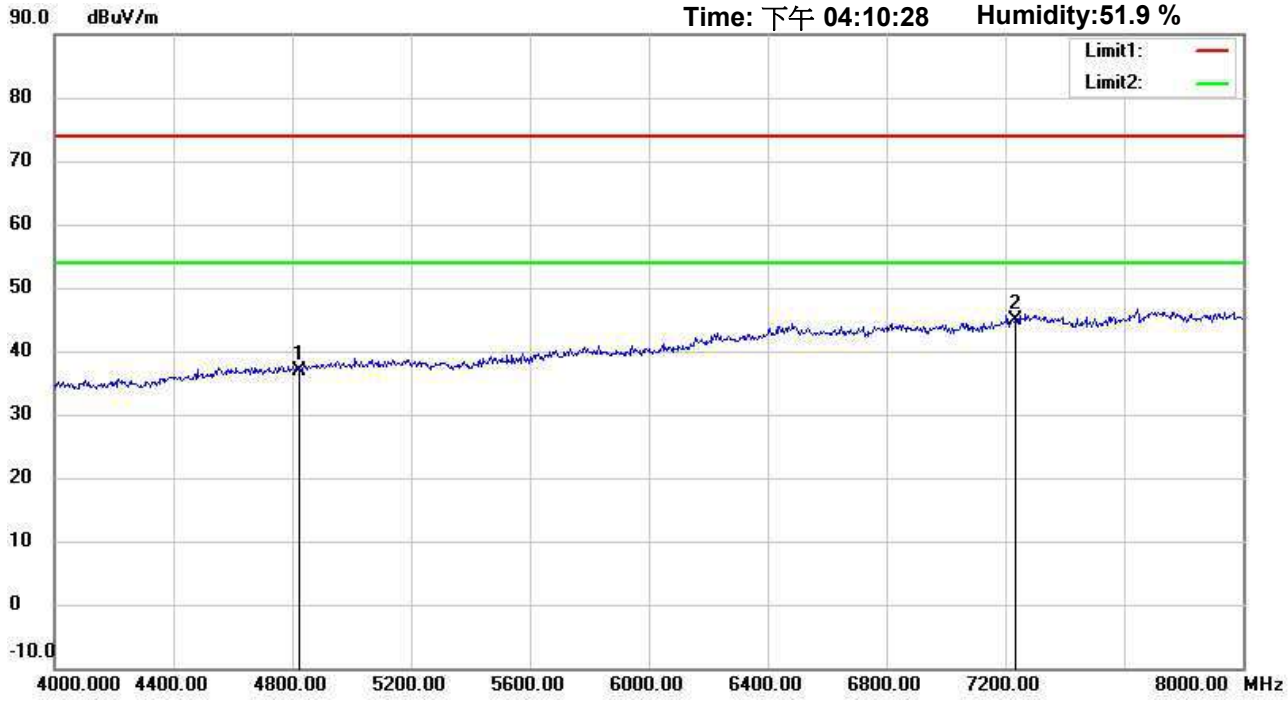
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#2 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 04:10:28 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11g CH1
Note :

Polarization: *Horizontal*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4824.000	32.35	peak	4.63	36.98	74.00	150	62	-37.02	
*	7236.000	33.08	peak	11.73	44.81	74.00	150	350	-29.19	

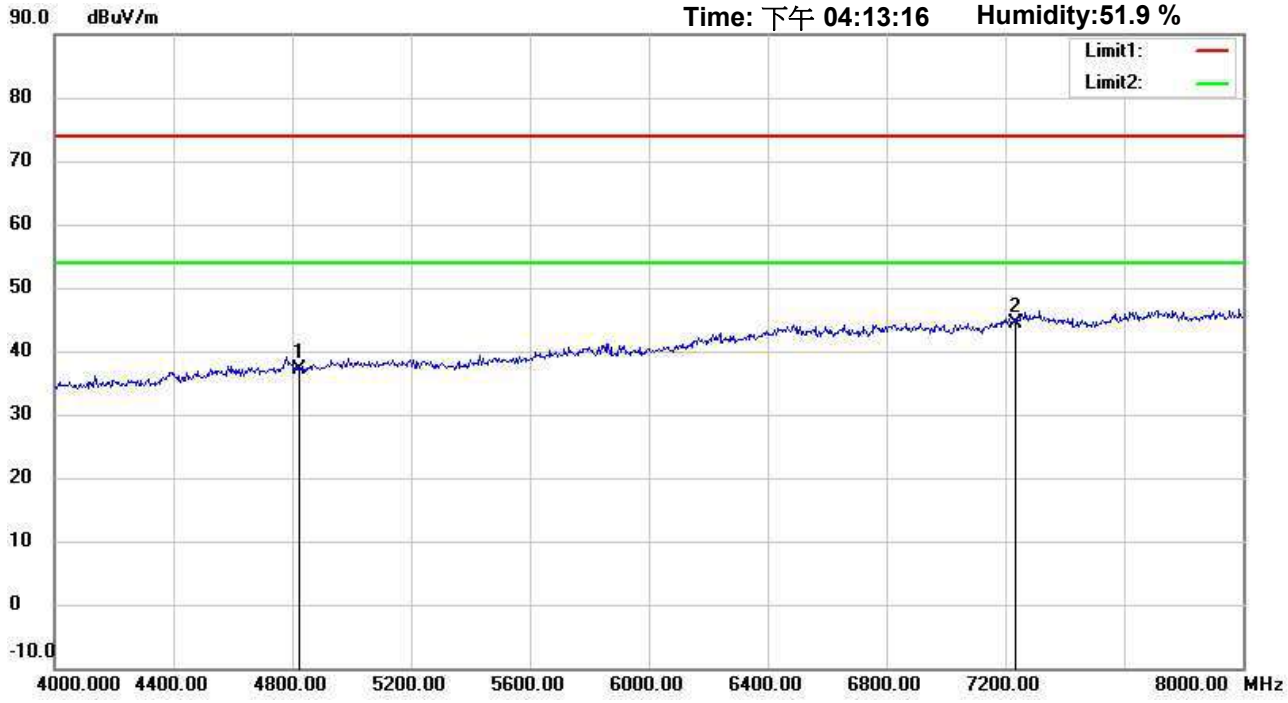
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#7 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 04:13:16 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11g CH1
Note :

Polarization: *Vertical*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4824.000	32.55	peak	4.63	37.18	74.00	150	61	-36.82	
*	7236.000	32.74	peak	11.73	44.47	74.00	150	0	-29.53	

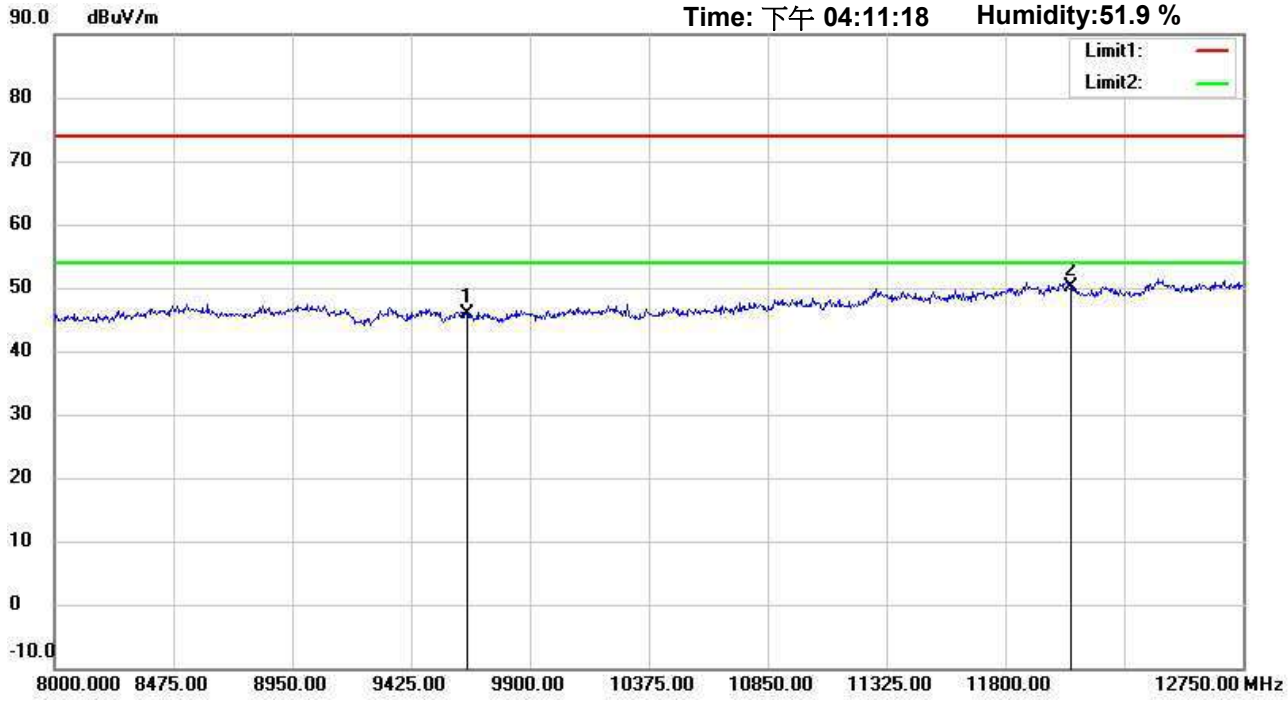
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#3 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 04:11:18 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11g CH1
Note :

Polarization: *Horizontal*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9648.000	32.70	peak	13.08	45.78	74.00	150	352	-28.22	
*	12060.000	33.36	peak	16.81	50.17	74.00	150	346	-23.83	

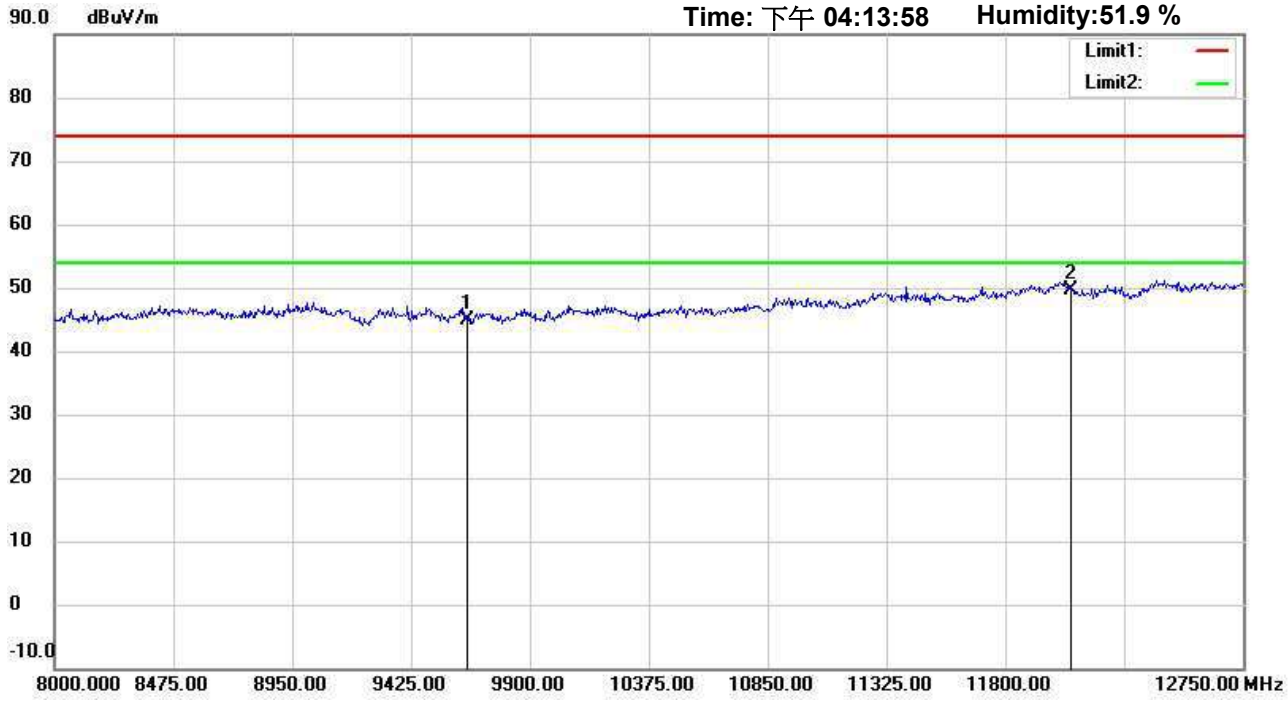
*:Maximum data x:Over limit !:over margin

Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#8 Date: 2024/10/17 Temperature:23.3 ℃
Time: 下午 04:13:58 Humidity:51.9 %



Site : 966A Chamber
Condition : FCC_part 15 RE-Class C_Above 1GHz_PK
EUT : W6M22409-23739
M/N:
Test Mode : TX 802.11g CH1
Note :

Polarization: *Vertical*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9648.000	31.89	peak	13.08	44.97	74.00	150	344	-29.03	
*	12060.000	32.80	peak	16.81	49.61	74.00	150	128	-24.39	

*:Maximum data x:Over limit !:over margin

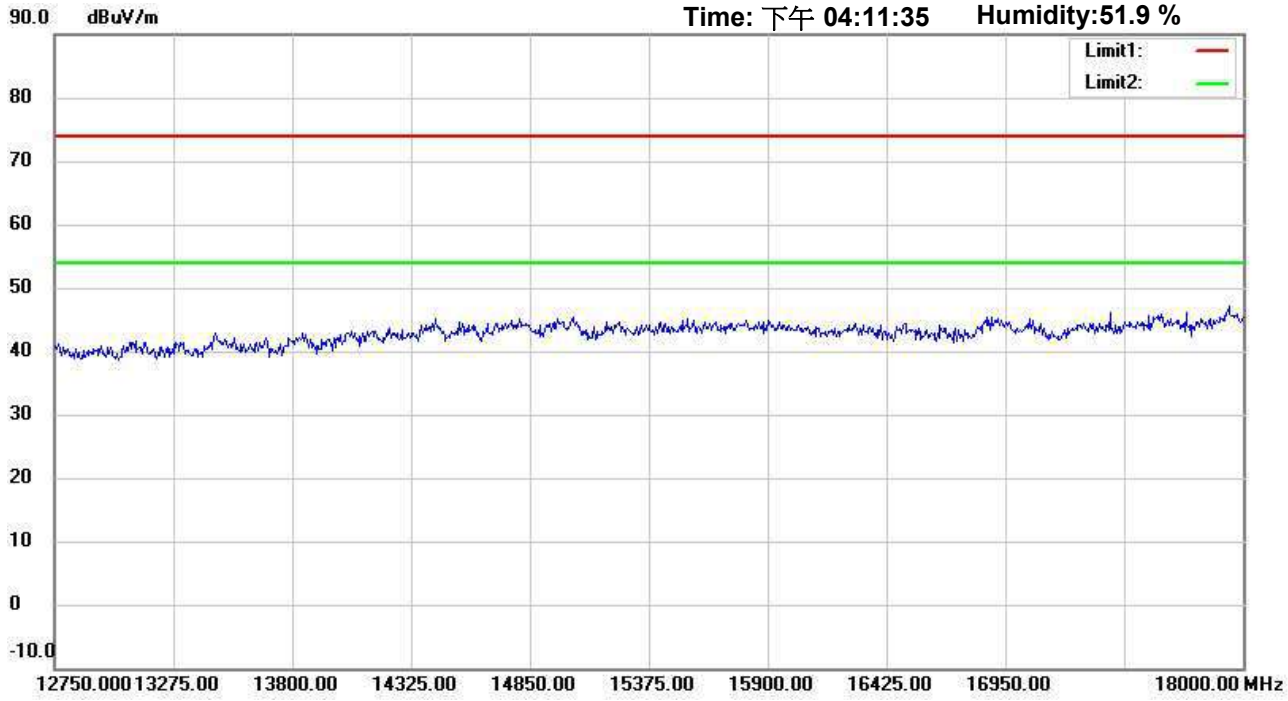
Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :3 Data :#4 Date: 2024/10/17 Temperature:23.3 ℃

Time: 下午 04:11:35 Humidity:51.9 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22409-23739

M/N:

Test Mode : TX 802.11g CH1

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment

*:Maximum data x:Over limit !:over margin